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March 18, 2010

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Office of the Secretary Int'l Trade Commission

VIA HAND DELIVERY

The Honorable Marilyn R. Abbott
Secretary
U.S. International Trade Commission
500 E. Street, S.W.
Washington, DC 20436

Re: Certain Display Devices, Including Digital Televisions and Monitors, Inv.
No. 337-TA-

Dear Secretary Abbott:

Enclosed for filing on behalf of Sony Corporation ("Sony" or "Complainant") are the following documents in support of Sony's request that the Commission commence an investigation pursuant to Section 337 of the Tariff Act of 1930, as amended:

1. An original and twelve (12) copies of Sony's Verified Complaint, pursuant to Commission Rule 210.8(a)(1)(i) (original and one unbound copy, without tabs);
2. An original and six (6) copies of the exhibits to the Complaint with Confidential Exhibits (57 and 112) segregated from the Public Exhibits (1 – 56, 58-111 and 113-124), pursuant to Commission Rule 210.8(a)(1)(i) (original and one copy unbound, without tabs);
3. Certified copies and twelve (12) copies thereof of U.S. Patent Nos. 5,434,626; 5,751,373; 6,111,614; 5,583,577; 5,684,542; 5,731,847; RE 38,055; RE 40,468; 6,661,472 and 6,816,131, pursuant to Commission Rule 210.12(a)(9)(i) (a copy of each patent is also provided in Public Exhibits 1 – 10 respectively) (bates stamped as requested);
4. Certified copies and three (3) copies thereof of the prosecution histories of U.S. Patent Nos. 5,434,626; 5,751,373; 6,111,614; 5,583,577; 5,684,542; 5,731,847; RE 38,055; RE 40,468; 6,661,472 and 6,816,131¹ included as Appendices A – J, pursuant to Commission Rule 210.12(c)(1) (bates stamped as requested);
5. Four (4) copies of each reference cited in the prosecution histories of the Asserted

¹ Please be advised that a certified copy of the prosecution history of U.S. Patent No. 6,816,131 is on order from the U.S. Patent and Trademark Office and will be filed immediately with the Commission upon receipt.



Patents included as Appendices K – T, pursuant to Commission Rule 210.12(c)(2) (bates stamped as requested);

6. Certified copies and three (3) copies thereof of the assignments of U.S. Patent Nos. 5,434,626; 5,751,373; 6,111,614; 5,583,577; 5,684,542; 5,731,847; RE 38,055; RE 40,468; 6,661,472 and 6,816,131, pursuant to Commission Rule 210.12(a)(9)(ii) (a copy of said assignments is also provided in Public Exhibits 41 to 52);²

7. An original and six (6) copies of each license agreement involving the Asserted Patents included as Confidential Appendix U, pursuant to Commission Rule 210.12(a)(9)(iv) and 210.12(a)(10)(ii);

8. Eleven (11) additional copies of the Complaint and the accompanying Public Exhibits and Confidential Exhibits for service upon the Proposed Respondents, pursuant to Commission Rule 210.8(a)(1)(iii);

9. Three (3) additional copies of the Complaint and the accompanying Public Exhibits for service upon the Embassy of the People's Republic of China, the Taipei Economic and Cultural Representative Office, and the Hong Kong Economic and Trade Office, pursuant to Commission Rule 210.8(a)(1)(iv);

10. A letter and certification requesting confidential treatment of Confidential Exhibits (57 and 112) and Confidential Appendix U, pursuant to Commission Rule 201.6(b) and 210.5(d).

Please do not hesitate to contact me at (202) 220-4292 if you have any questions.

Respectfully submitted,

Marcia H. Sundeen

Enclosures

² Please be advised that the assignments attached as Public Exhibits 41, 44, 50, and 52 are non-certified copies. Certified copies are on order from the U.S. Patent and Trademark Office and will be filed immediately with the Commission upon receipt.

March 18, 2010

VIA HAND DELIVERY

The Honorable Marilyn R. Abbott
Secretary
U.S. International Trade Commission
500 E. Street, S.W.
Washington, DC 20436

Re: Certain Display Devices, Including Digital Televisions and Monitors, Inv.
No. 337-TA-

Dear Secretary Abbott:

In accordance with Commission Rules 201.6 and 210.5 (19 C.F.R. §§ 201.6 and 210.5), Sony Corporation ("Sony" or "Complainant") requests confidential treatment of the business information contained in Confidential Exhibits 57 and 112, and Confidential Appendix U.

The information for which confidential treatment is sought is proprietary commercial information not otherwise publicly available. Specifically, these exhibits contain proprietary commercial information concerning Complainant's business operations, licensing of the Asserted Patents, investments in the domestic industry and/or proprietary technical information.

The information described above qualifies as confidential business information pursuant to Commission Rule 201.6(a) because:

1. it is not available to the public;
2. unauthorized disclosure of such information could cause substantial harm to the competitive position of Sony and/or a third party; and
3. the disclosure of which could impair the Commission's ability to obtain information necessary to perform its statutory function.



Please do not hesitate to contact me at (202) 220-4292 if you have any questions.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Marcia H. Sundeen".

Marcia H. Sundeen

Enclosures

UNITED STATES INTERNATIONAL TRADE COMMISSION
Washington, D.C. 20436

In the Matter of

**CERTAIN DISPLAY DEVICES,
INCLUDING DIGITAL TELEVISIONS
AND MONITORS**

Investigation No. 337-TA-_____

**COMPLAINT UNDER SECTION 337 OF
THE TARIFF ACT OF 1930, AS AMENDED**

Complainant:

Sony Corporation
1-7-1, Konan, Minato-ku,
Tokyo, Japan
Telephone: 81-3-6748-2111

Proposed Respondents:

TPV Technology Limited
Suite 1023, 10th Floor, Ocean Centre
Harbour City, 5 Canton Road
Tsim Sha Tsui, Kowloon, Hong Kong

Top Victory Electronics (Taiwan) Co., Ltd.
10F, No. 230, Liancheng Road
Zhonghe City, Taipei County, Taiwan

TPV International (USA), Inc.
3737 Executive Center Drive, Suite 261
Austin, Texas 78731

Envision Peripherals, Inc.
47490 Seabridge Drive
Fremont, California 94538

Top Victory Investments Ltd.
Suite 1023, 10th Floor, Ocean Centre
Harbour City, Tsim Sha Tsui
Kowloon, Hong Kong

TPV Electronics (Fujian) Co., Ltd.
Yuan Hong Road, Shang-zheng
Fuqing City, Fujian Province, China

TPV Display Technology (Wuhan) Co., Ltd.
Unique No. 11 of Zhuankou Development

District of Economic Technological
Development Zone,
Wuhan City, China

TPV Technology (Beijing) Co., Ltd.
No. 10, Jiuxianqiao Road, Chaoyang District
Beijing, China 100016

Innolux Display Corporation
No. 160 Kesyue Rd., Jhunan Science Park,
Miaoli County 350, Taiwan (R.O.C.)

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Austin, Texas 78758

ViewSonic Corporation
381 Brea Canyon Road
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EXHIBITS

Exhibit	Description
1.	Certified copy of U.S. Patent No. 5,434,626
2.	Certified copy of U.S. Patent No. 5,751,373
3.	Certified copy of U.S. Patent No. 6,111,614
4.	Certified copy of U.S. Patent No. 5,583,577
5.	Certified copy of U.S. Patent No. 5,684,542
6.	Certified copy of U.S. Patent No. 5,731,847
7.	Certified copy of U.S. Patent No. RE 38,055
8.	Certified copy of U.S. Patent No. RE 40,468
9.	Certified copy of U.S. Patent No. 6,661,472
10.	Certified copy of U.S. Patent No. 6,816,131
11.	Sony 2009 Annual Report
12.	TPV Technology Limited Organizational Chart webpage retrieved from http://www.tpvholdings.com/img/structure.gif
13.	TPV Technology Limited Annual Report 2008
14.	Envision Peripherals Company Profile webpage retrieved from http://www.aocdisplay.com/epius/company.html
15.	TPV Technology Limited Interim Report 2009
16.	Commercial Report for Dell, HP, Acer, Lenovo, ASUS, ViewSonic, and BenQ

Exhibit	Description
17.	TPV Technology Limited Group Profile webpage retrieved from http://www.tpvholdings.com/html/corp_profile.php
18.	Import Genius ¹ Report for TPV International (USA), Inc. retrieved from http://app.importgenius.com/
19.	Import Genius Report Envision Peripherals, Inc. retrieved from http://app.importgenius.com/
20.	Envision Peripherals Company Description webpage retrieved from http://208.109.129.152/company.asp?EPage=company&SMenu=profile
21.	Envision Peripherals Product Overview webpage retrieved from http://208.109.129.152/products.asp?EPage=products&SMenu=overview
22.	Envision Peripherals Factories webpage retrieved from http://www.aocdisplay.com/epius/factories.html
23.	Import Genius Report Top Victory Investments Ltd. retrieved from http://app.importgenius.com/
24.	Import Genius Report TPV Electronics (Fujian) Co., Ltd. retrieved from http://app.importgenius.com/
25.	Import Genius Report TPV Display Technology (Wuhan) Co., Ltd. retrieved from http://app.importgenius.com/
26.	Import Genius Report TPV Technology (Beijing) Co., Ltd. retrieved from http://app.importgenius.com/
27.	Innolux Corporation's Corporate Disclosure Statement in <i>Mondis Technology Ltd. v. LG Electronics, Inc., et al.</i> , 07-cv-565-TJW-CE (E.D. Tx.)
28.	Innolux Company Profile webpage retrieved from http://www.innolux.com/english/company/company01.html
29.	Import Genius Report for Innolux Respondents retrieved from http://app.importgenius.com/

¹ Import Genius, according to its webpage (<http://www.importgenius.com/about.html>), provides detailed shipment data for every container that enters the United States. Import Genius' database can be searched by importer's name, supplier's name, and product type, among other parameters, to locate the desired shipment data.

Exhibit	Description
30.	Innolux Display Corporation Consolidated Financial Statements (June 30, 2008 and 2009)
31.	Innolux Corporation's Answer to Complaint in <i>Plasma Physics Corporation, et al. v. Innolux Display Corporation, et al.</i> , 08-cv-1629-LDW-WDW (E.D.N.Y. 2008)
32.	Hoovers ViewSonic Corporation Profile
33.	Import Genius Report for ViewSonic Corporation retrieved from http://app.importgenius.com/
34.	ViewSonic Store webpage retrieved from http://store.viewsonic.com/html/ibeCZzpHome.jsp?site=VS_STORE&respid=22372
35.	Photographs of the accused AOC Envision Series L42H861
36.	Photographs of the accused AOC 619Fh LCD Display
37.	Photographs of the accused HP w2558wc LCD Display
38.	Photographs of the accused ViewSonic N2690w 26" LCD HDTV
39.	Photographs of the accused ViewSonic VX2260wm LCD Display
40.	Photographs of the representative Sony KDL26L5000 LCD TV
41.	Copy of assignment for U.S. Patent No. 5,434,626 to Sony Corporation ² (certified copy will be provided as soon as it is received)
42.	Certified copy of assignment for U.S. Patent No. 5,751,373 to Sony Corporation
43.	Certified copy of assignment for U.S. Patent No. 6,111,614 to Sony Corporation and Sony Electronics Inc.
44.	Copy of assignment for U.S. Patent No. 6,111,614 from Sony Electronics Inc. to Sony Corporation (certified copy will be provided as soon as it is received)
45.	Certified copy of assignment for U.S. Patent No. 5,583,577 to Sony Corporation

² U.S. Patent No. 5,434,626 is a continuation of Patent Application Ser. No. 07/942,775. The assignment for Patent Application Ser. No. 07/942,775 includes an assignment of all rights in, among other things, continuations of the Application.

Exhibit	Description
46.	Certified copy of assignment for U.S. Patent No. 5,684,542 to Sony Corporation
47.	Certified copy of assignment for U.S. Patent No. 5,731,847 to Sony Corporation
48.	Certified copy of assignment for U.S. Patent Re Nos. 38,055 and 40,468 to Sony Corporation ³
49.	Certified copy of assignment for U.S. Patent No. 6,661,472 to Sony Corporation and Sony Electronics Inc.
50.	Copy of assignment for U.S. Patent No. 6,661,472 from Sony Electronics Inc. to Sony Corporation (certified copy will be provided as soon as it is received)
51.	Certified copy of assignment for U.S. Patent No. 6,816,131 to Sony Corporation and Sony Electronics Inc.
52.	Copy of assignment for U.S. Patent No. 6,816,131 from Sony Electronics Inc. to Sony Corporation (certified copy will be provided as soon as it is received)
53.	EIA-708-B (“Digital Television (DTV) Closed Captioning”)
54.	High-Bandwidth Digital Content Protection System Specification, Revision 1.1 (June 9, 2003)
55.	High-Bandwidth Digital Content Protection System Specification, Revision 1.3 (December 21, 2006)
56.	Table of Foreign Counterparts to the Asserted Patents
57.	CONFIDENTIAL List of Licenses of Asserted Patents
58.	User Manual for the accused AOC Envision Series L42H861 LCD TV
59.	Product Brief for the Zoran SupraHD 780 chip
60.	Claim Chart showing infringement of the '626 patent by the AOC L42H861 LCD TV
61.	Claim Chart showing infringement of the '373 patent by the AOC L42H861 LCD TV

³ U.S. Patent Re Nos. 38,055 and 40,468 are reissues and/or continuations of U.S. Patent No. 5,699,426, which issued from U.S. Patent Application Ser. No. 08/448,254. The assignment for Patent Application Ser. No. 08/448,254 includes an assignment of all rights in, among other things, continuations and reissues of the application.

Exhibit	Description
62.	Claim Chart showing infringement of the '614 patent by the AOC L42H861 LCD TV
63.	Claim Chart showing infringement of the '577 patent by the AOC L42H861 LCD TV
64.	Claim Chart showing infringement of the '542 patent by the AOC L42H861 LCD TV
65.	Claim Chart showing infringement of the '847 patent by the AOC L42H861 LCD TV
66.	Claim Chart showing infringement of the '055 patent by the AOC L42H861 LCD TV
67.	Claim Chart showing infringement of the '468 patent by the AOC L42H861 LCD TV
68.	Claim Chart showing infringement of the '472 patent by the AOC L42H861 LCD TV
69.	Claim Chart showing infringement of the '131 patent by the AOC L42H861 LCD TV
70.	User Manual for the accused AOC 619Fh LCD Display
71.	Claim Chart showing infringement of the '626 patent by the AOC 619Fh LCD Display
72.	Claim Chart showing infringement of the '055 patent by the AOC 619Fh LCD Display
73.	Claim Chart showing infringement of the '468 patent by the AOC 619Fh LCD Display
74.	Claim Chart showing infringement of the '131 patent by the AOC 619Fh LCD Display
75.	User Manual for the accused HP w2558hc LCD Display
76.	Product brief for the STMicroelectronics FLI5968H-LF chip
77.	Claim Chart showing infringement of the '626 patent by the HP w2558hc LCD Display
78.	Claim Chart showing infringement of the '055 patent by the HP w2558hc LCD Display
79.	Claim Chart showing infringement of the '468 patent by the HP w2558hc LCD Display
80.	Claim Chart showing infringement of the '131 patent by the HP w2558hc LCD Display
81.	User Manual for the accused ViewSonic N2690w 26" LCD HDTV
82.	Product Brief for the Zoran SupraHD 770 chip
83.	Claim Chart showing infringement of the '626 patent by the ViewSonic N2690w LCD TV

Exhibit	Description
84.	Claim Chart showing infringement of the '373 patent by the ViewSonic N2690w LCD TV
85.	Claim Chart showing infringement of the '614 patent by the ViewSonic N2690w LCD TV
86.	Claim Chart showing infringement of the '577 patent by the ViewSonic N2690w LCD TV
87.	Claim Chart showing infringement of the '542 patent by the ViewSonic N2690w LCD TV
88.	Claim Chart showing infringement of the '847 patent by the ViewSonic N2690w LCD TV
89.	Claim Chart showing infringement of the '055 patent by the ViewSonic N2690w LCD TV
90.	Claim Chart showing infringement of the '468 patent by the ViewSonic N2690w LCD TV
91.	Claim Chart showing infringement of the '472 patent by the ViewSonic N2690w LCD TV
92.	Claim Chart showing infringement of the '131 patent by the ViewSonic N2690w LCD TV
93.	User Manual for the accused ViewSonic VX2260wm LCD Display
94.	Claim Chart showing infringement of the '626 patent by the VX2260wm LCD Display
95.	Claim Chart showing infringement of the '055 patent by the VX2260wm LCD Display
96.	Claim Chart showing infringement of the '468 patent by the VX2260wm LCD Display
97.	Claim Chart showing infringement of the '131 patent by the VX2260wm LCD Display
98.	Webpage marketing the AOC L24H898 LCD TV retrieved from http://us.aoc.com/lcd_tvs/l24h898
99.	Purchase receipt for the AOC Envision Series L42H861 LCD TV
100.	Purchase receipt for the AOC 619Fh LCD Display

Exhibit	Description
101.	Purchase receipt for the HP w2558hc LCD Display
102.	Webpage marketing and offering for sale the ViewSonic N2690w LCD TV retrieved from http://store.viewsonic.com/html/ibeCCtpItmDspRte.jsp?section=20129&item=2132645
103.	Purchase receipt for the ViewSonic N2690w 26" LCD HDTV
104.	Purchase receipt for the ViewSonic VX2260wm LCD Display
105.	Sony's First Amended Complaint in <i>Sony Corporation v. ViewSonic Corporation, et.al.</i> , 09-cv-7698-CBM-CTx
106.	TPV Technology, TPV USA, Envision, Top Victory Investments, TPV Fujian, TPV Wuhan, and TPV Beijing's Answer to Sony's First Amended Complaint
107.	ViewSonic's Answer to Sony's First Amended Complaint
108.	Sony's First Amended Complaint in <i>Sony Corporation v. Westinghouse Digital Electronics</i> , 08-cv-03934-RGK-FMOx
109.	Final Judgment by Consent in <i>Sony Corporation v. Westinghouse Digital Electronics</i> , 08-cv-03934-RGK-FMOx
110.	First Amended Complaint in <i>Sony Corporation v. Vizio, Inc.</i> , 08-cv-1135-RGK-FMOx
111.	Stipulated Dismissal in <i>Sony Corporation v. Vizio, Inc.</i> , 08-cv-1135-RGK-FMOx
112.	CONFIDENTIAL Declaration regarding Sony's Domestic Industry
113.	Claim Chart showing embodiment of the '626 patent by the Sony KDL26L5000 LCD TV
114.	Claim Chart showing embodiment of the '373 patent by the Sony KDL26L5000 LCD TV
115.	Claim Chart showing embodiment of the '614 patent by the Sony KDL26L5000 LCD TV
116.	Claim Chart showing embodiment of the '577 patent by the Sony KDL26L5000 LCD TV
117.	Claim Chart showing embodiment of the '542 patent by the Sony KDL26L5000 LCD TV

Exhibit	Description
118.	Claim Chart showing embodiment of the '847 patent by the Sony KDL26L5000 LCD TV
119.	Claim Chart showing embodiment of the '055 patent by the Sony KDL26L5000 LCD TV
120.	Claim Chart showing embodiment of the '468 patent by the Sony KDL26L5000 LCD TV
121.	Claim Chart showing embodiment of the '472 patent by the Sony KDL26L5000 LCD TV
122.	Claim Chart showing embodiment of the '131 patent by the Sony KDL26L5000 LCD TV
123.	User Manual for the Sony KDL-26L5000 LCD TV, Sony's Representative Domestic Industry Product
124.	Sony Limited Warranty for Flat Panel Color TV

APPENDICES

	Description
A	Certified Copy of the Prosecution History of the '626 Patent, and three additional copies thereof
B	Certified Copy of the Prosecution History of the '373 Patent, and three additional copies thereof
C	Certified Copy of the Prosecution History of the '614 Patent, and three additional copies thereof
D	Certified Copy of the Prosecution History of the '577 Patent, and three additional copies thereof
E	Certified Copy of the Prosecution History of the '542 Patent, and three additional copies thereof
F	Certified Copy of the Prosecution History of the '847 Patent, and three additional copies thereof
G	Certified Copy of the Prosecution History of the '055 Patent, and three additional copies thereof
H	Certified Copy of the Prosecution History of the '468 Patent, and three additional copies thereof
I	Certified Copy of the Prosecution History of the '472 Patent, and three additional copies thereof
J	Copy of the Prosecution History of the '131 Patent, and three additional copies thereof (certified copy will be provided as soon as it is received)
K	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '626 Patent
L	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '373 Patent
M	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '614 Patent
N	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '577 Patent
O	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '542 Patent
P	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '847 Patent
Q	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '055 Patent
R	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '468 Patent
S	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '472 Patent
T	Four copies of each Patent and Technical Reference Mentioned in the Prosecution History of the '131 Patent
U	CONFIDENTIAL Copy of each license agreement identified on CONFIDENTIAL Exhibit 57

I. INTRODUCTION

1. Sony Corporation (“Sony” or “Complainant”) requests that the United States International Trade Commission (“ITC”) commence an investigation under Section 337 of the Tariff Act of 1930, as amended, 19 U.S.C. § 1337 (“Section 337”), to remedy the unlawful importation into the United States, the sale for importation into the United States, and/or the sale within the United States after importation of certain display devices, including digital televisions and monitors (collectively referred to as the "Accused Products") that infringe ten valid and enforceable United States patents owned by Sony.

2. The proposed respondents are:

- TPV Technology Limited (“TPV Technology”);
- Top Victory Electronics (Taiwan) Co., Ltd. ("Top Victory Taiwan");
- TPV International (USA), Inc. (“TPV USA”);
- Envision Peripherals, Inc. (“Envision”);
- Top Victory Investments Ltd. ("Top Victory Investments");
- TPV Electronics (Fujian) Co., Ltd. (“TPV Fujian”);
- TPV Display Technology (Wuhan) Co., Ltd. ("TPV Wuhan");
- TPV Technology (Beijing) Co., Ltd. ("TPV Beijing");
- Innolux Display Corporation (“Innolux Display”);
- Innolux Corporation (“Innolux Corp.”); and
- ViewSonic Corporation (“ViewSonic”).

3. The first eight entities listed in the preceding paragraph are related companies and are referred to collectively herein as "the proposed TPV respondents" or "TPV." TPV digital televisions and PC Monitors, which on information and belief are manufactured mainly in China,

are accused of infringement here. The next two entities are also related companies and are referred to collectively herein as "the proposed Innolux respondents" or "Innolux." Innolux PC Monitors, which on information and belief are manufactured mainly in China, are accused of infringement here. ViewSonic, the last company listed above, imports, distributes, and sells digital televisions and PC Monitors in the United States. ViewSonic's digital televisions and PC Monitors, which on information and belief are manufactured mainly in China by other companies, are accused of infringement here. On information and belief, at least some of ViewSonic's digital televisions are manufactured by TPV and at least some of ViewSonic's PC Monitors are manufactured by both TPV and Innolux. All eleven companies identified above are referred to collectively herein as the "proposed respondents."

4. On information and belief, the proposed respondents have violated Section 337 by importing into the United States, selling for importation into the United States, and/or selling within the United States after importation certain display devices, including digital televisions and monitors, that infringe one or more claims of the following ten Sony patents:

- United States Patent No. 5,434,626 ("the '626 patent");
- United States Patent No. 5,751,373 ("the '373 patent");
- United States Patent No. 6,111,614 ("the '614 patent");
- United States Patent No. 5,583,577 ("the '577 patent");
- United States Patent No. 5,684,542 ("the '542 patent");
- United States Patent No. 5,731,847 ("the '847 patent");
- United States Patent No. 6,661,472 ("the '472 patent");
- United States Patent No. 6,816,131 ("the '131 patent");
- United States Reissue Patent No. 38,055 ("the '055 patent"); and

- United States Reissue Patent No. 40,468 (“the ’468 patent”).

These patents are referred to collectively herein as “the Sony patents” or “the Asserted Patents.”

(See **Exhibits 1-10.**)

5. Sony is asserting all ten patents against TPV and ViewSonic's digital televisions and the '626, '055, '468, and '131 patents against TPV, Innolux, and ViewSonic's PC Monitors. Sony asserts that the Accused Products directly infringe, contributorily infringe, and/or induce the infringement of one or more of claims 41, 44, 45, 61, and 64 of the '055 patent; claims 41-44 of the '468 patent; claims 13, 15, 19, and 20 of the '577 patent; claims 6 and 8 of the '542 patent; claims 11, 12, 16, 27, 33-35, and 39-41 of the '847 patent; claims 1-4, 8, and 11-15 of the '472 patent; claims 1, 4, 20-22, 29, 30, 32 and 33 of the '626 patent; claims 1 and 5 of the '373 patent; claims 1-4 of the '614 patent; and claims 9, 12, 17, 19, 25, 26, 28, and 35 of the '131 patent.

6. For ease of reference, the following chart provides, on information and belief, background on each of the proposed respondents and identifies the nature of each proposed respondent's infringing activities, the types of products accused, the representative products that are addressed in Sony's claim charts, and the patent claims that Sony currently believes are infringed.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
TPV Technology Limited (“TPV Technology”)	Through its subsidiaries, manufactures, distributes, and sells accused products	Digital televisions	AOC L42H861 LCD TV	<p>’626 patent: claims <u>1</u>, <u>4</u>, 20-22, 29, 30, 32 and 33.</p> <p>’373 patent: claims <u>1</u> and <u>5</u>.</p> <p>’614 patent: claims <u>1</u>, 2, 3, and 4.</p> <p>’577 patent: claims <u>13</u>, 15, 19, and 20.</p> <p>’542 patent: claims <u>6</u> and <u>8</u>.</p> <p>’847 patent: claims <u>11</u>, 12, 16, <u>27</u>, <u>33</u>, 34, 35, and 39-41.</p> <p>’055 patent: claims <u>41</u>, 44, 45, <u>61</u>, and 64.</p> <p>’468 patent: claims <u>41</u>, 42, 43, and 44.</p> <p>’472 patent: claims <u>1</u>, 2, 3, 4, <u>8</u>, and 11-14, and <u>15</u>.</p> <p>’131 patent: claims <u>9</u>, 12, <u>17</u>, <u>19</u>, <u>25</u>, <u>26</u>, 28, and 35.</p>
		PC Monitors	AOC 619Fh LCD Monitor	<p>’626 patent: claim <u>1</u>.</p> <p>’055 patent: claims <u>41</u>, 44, 45, <u>61</u>, and 64.</p> <p>’468 patent: claims <u>41</u> and 42.</p> <p>’131 patent: claims <u>9</u>, <u>17</u>, <u>19</u>, <u>25</u>, <u>26</u>, 28, and 35.</p>

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
Top Victory Electronics (Taiwan) Co., Ltd. ("Top Victory Taiwan")	Designs, researches and develops, and sources accused products	Digital televisions	AOC L42H861 LCD TV	'626 patent: claims <u>1</u> , <u>4</u> , 20-22, 29, 30, 32 and 33. '373 patent: claims <u>1</u> and <u>5</u> . '614 patent: claims <u>1</u> , 2, 3, and 4. '577 patent: claims <u>13</u> , 15, 19, and 20. '542 patent: claims <u>6</u> and <u>8</u> . '847 patent: claims <u>11</u> , 12, 16, <u>27</u> , <u>33</u> , 34, 35, and 39-41. '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> , 42, 43, and 44. '472 patent: claims <u>1</u> , 2, 3, 4, <u>8</u> , and 11-14, and <u>15</u> . '131 patent: claims <u>9</u> , 12, <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
		PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
TPV International (USA), Inc. ("TPV USA")	Sells and distributes accused products	Digital televisions	AOC L42H861 LCD TV	'626 patent: claims <u>1</u> , <u>4</u> , 20-22, 29, 30, 32 and 33. '373 patent: claims <u>1</u> and <u>5</u> . '614 patent: claims <u>1</u> , 2, 3, and 4. '577 patent: claims <u>13</u> , 15, 19, and 20. '542 patent: claims <u>6</u> and <u>8</u> . '847 patent: claims <u>11</u> , 12, 16, <u>27</u> , <u>33</u> , 34, 35, and 39-41. '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> , 42, 43, and 44. '472 patent: claims <u>1</u> , 2, 3, 4, <u>8</u> , and 11-14, and <u>15</u> . '131 patent: claims <u>9</u> , 12, <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
		PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
Envision Peripherals, Inc. ("Envision")	Sells and distributes accused products	Digital televisions	AOC L42H861 LCD TV	'626 patent: claims <u>1</u> , <u>4</u> , 20-22, 29, 30, 32 and 33. '373 patent: claims <u>1</u> and <u>5</u> . '614 patent: claims <u>1</u> , 2, 3, and 4. '577 patent: claims <u>13</u> , 15, 19, and 20. '542 patent: claims <u>6</u> and <u>8</u> . '847 patent: claims <u>11</u> , 12, 16, <u>27</u> , <u>33</u> , 34, 35, and 39-41. '055 patent: claims 41, 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> , 42, 43, and 44. '472 patent: claims <u>1</u> , 2, 3, 4, <u>8</u> , and 11-14, and <u>15</u> . '131 patent: claims <u>9</u> , 12, <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
		PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
Top Victory Investments Ltd. ("Top Victory Investments")	Distributes accused products	Digital televisions	AOC L42H861 LCD TV	'626 patent: claims <u>1</u> , <u>4</u> , 20-22, 29, 30, 32 and 33. '373 patent: claims <u>1</u> and <u>5</u> . '614 patent: claims <u>1</u> , 2, 3, and 4. '577 patent: claims <u>13</u> , 15, 19, and 20. '542 patent: claims <u>6</u> and <u>8</u> . '847 patent: claims <u>11</u> , 12, 16, <u>27</u> , <u>33</u> , 34, 35, and 39-41. '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> , 42, 43, and 44. '472 patent: claims <u>1</u> , 2, 3, 4, <u>8</u> , and 11-14, and <u>15</u> . '131 patent: claims <u>9</u> , 12, <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
		PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
TPV Electronics (Fujian) Co., Ltd. ("TPV Fujian")	Manufactures and distributes accused products	Digital televisions	AOC L42H861 LCD TV	'626 patent: claims <u>1</u> , <u>4</u> , 20-22, 29, 30, 32 and 33. '373 patent: claims <u>1</u> and <u>5</u> . '614 patent: claims <u>1</u> , 2, 3, and 4. '577 patent: claims <u>13</u> , 15, 19, and 20. '542 patent: claims <u>6</u> and <u>8</u> . '847 patent: claims <u>11</u> , 12, 16, <u>27</u> , <u>33</u> , 34, 35, and 39-41. '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> , 42, 43, and 44. '472 patent: claims <u>1</u> , 2, 3, 4, <u>8</u> , and 11-14, and <u>15</u> . '131 patent: claims <u>9</u> , 12, <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
		PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
TPV Display Technology (Wuhan) Co., Ltd. ("TPV Wuhan")	Manufactures and distributes accused products	PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
TPV Technology (Beijing) Co., Ltd. ("TPV Beijing")	Manufactures and distributes accused products	Digital televisions	AOC L42H861 LCD TV	'626 patent: claims <u>1</u> , <u>4</u> , 20-22, 29, 30, 32 and 33. '373 patent: claims <u>1</u> and <u>5</u> . '614 patent: claims <u>1</u> , 2, 3, and 4. '577 patent: claims <u>13</u> , 15, 19, and 20. '542 patent: claims <u>6</u> and <u>8</u> . '847 patent: claims <u>11</u> , 12, 16, <u>27</u> , <u>33</u> , 34, 35, and 39-41. '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> , 42, 43, and 44. '472 patent: claims <u>1</u> , 2, 3, 4, <u>8</u> , and 11-14, and <u>15</u> . '131 patent: claims <u>9</u> , 12, <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.
		PC Monitors	AOC 619Fh LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims <u>41</u> , 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
Innolux Display Corporation (“Innolux Display”)	Manufactures and distributes accused products	PC Monitors	HP w2558hc LCD Monitor	’626 patent: claim <u>1</u> . ’055 patent: claims <u>41</u> , <u>44</u> , <u>45</u> , <u>61</u> , and <u>64</u> . ’468 patent: claims <u>41</u> and <u>42</u> . ’131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , <u>28</u> , and <u>35</u> .
Innolux Corporation (“Innolux Corp.”)	Sells and distributes accused products	PC Monitors	HP w2558hc LCD Monitor	’626 patent: claim <u>1</u> . ’055 patent: claims <u>41</u> , <u>44</u> , <u>45</u> , <u>61</u> , and <u>64</u> . ’468 patent: claims <u>41</u> and <u>42</u> . ’131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , <u>28</u> , and <u>35</u> .
ViewSonic Corporation (“ViewSonic”)	Sells and distributes accused products	Digital televisions	ViewSonic N2690w LCD TV	’626 patent: claims <u>1</u> , <u>4</u> , <u>20-22</u> , <u>29</u> , <u>30</u> , <u>32</u> and <u>33</u> . ’373 patent: claims <u>1</u> and <u>5</u> . ’614 patent: claims <u>1</u> , <u>2</u> , <u>3</u> , and <u>4</u> . ’577 patent: claims <u>13</u> , <u>15</u> , <u>19</u> , and <u>20</u> . ’542 patent: claims <u>6</u> and <u>8</u> . ’847 patent: claims <u>11</u> , <u>12</u> , <u>16</u> , <u>27</u> , <u>33</u> , <u>34</u> , <u>35</u> , and <u>39-41</u> . ’055 patent: claims <u>41</u> , <u>44</u> , <u>45</u> , <u>61</u> , and <u>64</u> . ’468 patent: claims <u>41</u> , <u>42</u> , <u>43</u> , and <u>44</u> . ’472 patent: claims <u>1</u> , <u>2</u> , <u>3</u> , <u>4</u> , <u>8</u> , and <u>11-14</u> , and <u>15</u> . ’131 patent: claims <u>9</u> , <u>12</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , <u>28</u> , and <u>35</u> .

Proposed Respondent	Type of infringing activity	Types of accused products	Representative products	Patent claims infringed (independent claims underlined)
		PC Monitors	ViewSonic VX2260wm LCD Monitor	'626 patent: claim <u>1</u> . '055 patent: claims 41, 44, 45, <u>61</u> , and 64. '468 patent: claims <u>41</u> and 42. '131 patent: claims <u>9</u> , <u>17</u> , <u>19</u> , <u>25</u> , <u>26</u> , 28, and 35.

7. As required by 19 U.S.C. § 1337(a)(2) and (3), an industry in the United States exists relating to articles covered by the Asserted Patents.

8. Sony seeks a permanent exclusion order pursuant to Section 337(d), prohibiting entry into the United States, or admission into foreign trade zones of the United States, all of the Accused Products of the proposed respondents that infringe one or more asserted claims of the Asserted Patents. Pursuant to Section 337(f), Sony also seeks permanent cease and desist orders, prohibiting the proposed respondents, their affiliates, others acting on behalf of the proposed respondents, and others who are in active concert or participation with the proposed respondents from importing into the United States, admitting or withdrawing from a foreign trade zone of the United States, marketing, advertising, demonstrating, warehousing inventory for distribution, distributing, offering for sale, selling, licensing, using, or transferring outside the United States for sale in the United States any of proposed respondents' display devices that infringe one or more asserted claims of the Asserted Patents. Finally, Sony seeks any other relief the ITC deems proper.

II. THE PARTIES

A. Complainant Sony

9. Sony is a Japanese corporation with a principal place of business at 1-7-1, Konan, Minato-ku, Tokyo, Japan. Founded in 1946, Sony is a world leader in the design, manufacture, and marketing of a wide variety of electronics and information technology products for the consumer and professional markets.

10. Sony is one of the largest manufacturers and distributors of televisions in the world. Sony plays a large role in the world marketplace for digital display technology, both in research and development as well as manufacturing and sales.

11. Sony has a long history of investing in the research and development of new technologies for the consumer electronics industry. As a result of this investment, Sony's patent portfolio has grown to more than thirty thousand worldwide patents that cover many areas of consumer electronics, including fundamental aspects of today's digital television and PC Monitor technology. Sony has established a program for licensing its patents related to these technologies and has successfully licensed such patents, including the Asserted Patents, to many companies that compete with respect to digital televisions and PC monitors. As part of that effort, Sony has initiated two lawsuits involving nine of the patents asserted here (both now settled) and a third pending lawsuit involving all ten of the patents at issue.

12. Additional information concerning Sony can be obtained from Sony's most recent Annual Report, which accompanies this Complaint as **Exhibit 11**.

B. The Proposed TPV Respondents

13. Upon information and belief, TPV Technology, Top Victory Taiwan, TPV USA, Envision, Top Victory Investments, TPV Fujian, TPV Wuhan, and TPV Beijing (collectively, the "proposed TPV Respondents" or "TPV") are an interrelated group of companies. TPV

Technology is the parent company and/or owns more than 10 percent of each of the other proposed TPV respondents. (See **Exhibits 12 and 13.**) Upon information and belief, the proposed TPV Respondents design, manufacture, market, sell, and service digital televisions and monitors that are imported into the United States by or on behalf of the TPV Respondents. (See **Exhibit 14 and Exhibit 15 (pp. 1, 29).**) Upon information and belief, the Accused TPV digital televisions and monitors are sold in the United States under at least the brand names Envision®, AOC®, HP®, Dell®, Acer®, Lenovo®, ASUS®, and ViewSonic®. (See **Exhibits 14 and 16.**) The TPV Proposed Respondents may also sell infringing goods under additional brand names. The TPV Proposed Respondents have never taken a license to the Asserted Patents from Sony and, on information and belief, their products are not covered by any license under the Sony patents.⁴

14. Upon information and belief, TPV Technology Limited (“TPV Technology”) is a corporation existing under the laws of Bermuda with its principal place of business at Suite 1023, 10th Floor, Ocean Centre, Harbour City, 5 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong. TPV Technology is in the business of manufacturing, distributing, and selling display devices, such as digital televisions and monitors. TPV Technology was listed on both the Hong Kong and Singapore stock exchanges in October 1999. (See **Exhibit 17.**) TPV Technology has stated that it is the largest monitor maker in the world and the fifth largest television maker in the world. (See **Exhibit 15 (p. 1) and Exhibit 17 .**) TPV Technology is the parent company and/or

⁴ To the extent that any TPV digital televisions and monitor models are fully covered under a license to the Asserted Patents, Complainant is not accusing those models of infringement in this Complaint. For example, Complainant is not accusing digital televisions and monitors manufactured by the proposed TPV Respondents that a licensee later sells under its own brand name to consumers, if those products are fully covered under the licensee's license to the Asserted Products.

owns more than 10 percent of proposed respondents Top Victory Taiwan, TPV USA, Envision, Top Victory Investments, TPV Fujian, TPV Wuhan, and TPV Beijing. (See Exhibit 12 and Exhibit 13 (pp. 88-91).)

15. Upon information and belief, TPV Technology, through its subsidiaries manufactures, distributes, and sells digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, by TPV Technology and/or its subsidiaries. Upon information and belief, TPV Technology and/or others then import the accused display devices into the United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See Exhibit 13.)

16. Upon information and belief, Top Victory Electronics (Taiwan) Co., Ltd. (“Top Victory Taiwan”) is a corporation existing under the laws of Taiwan with its principal place of business at 10F, No. 230, Liancheng Road, Zhonghe City, Taipei County, Taiwan. Top Victory Taiwan is in the business of designing, researching, developing, and sourcing display devices, such as monitors and digital televisions. (See Exhibit 13 (p. 88).) Upon information and belief, Top Victory Taiwan is a wholly-owned subsidiary of TPV Technology. (See Exhibit 13 (p. 88).)

17. Upon information and belief, Top Victory Taiwan designs, researches, develops, and sources digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for and/or by Top Victory Taiwan. Upon information and belief, Top Victory Taiwan and/or others then import the accused display devices into the

United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See Exhibit 13.)

18. Upon information and belief, TPV International (USA), Inc. (“TPV USA”) is a corporation existing under the laws of California with its principal place of business at 3737 Executive Center Drive, Suite 261, Austin, Texas 78731. TPV USA is in the business of selling and distributing display devices, such as monitors and digital televisions. (See Exhibit 13 (p. 89).) Upon information and belief, TPV USA is a wholly-owned subsidiary of TPV Technology. (See Exhibit 13 (p. 89).)

19. Upon information and belief, TPV USA sells and distributes digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for TPV USA. Upon information and belief, TPV USA and/or others import the accused display devices into the United States and/or sell them after they have been imported into the United States. (See Exhibit 13 (p. 89) and **Exhibit 18** (reflecting receipt by TPV USA of monitors that were shipped from China to the United States).)

20. Upon information and belief, Envision Peripherals, Inc. (“Envision”) is a corporation existing under the laws of California with its principal place of business at 47490 Seabridge Drive, Fremont, California 94538. Envision is in the business of selling and distributing display devices, such as monitors and digital televisions. (See Exhibits 19-21.) Envision is a partially-owned subsidiary of TPV Technology. (See Exhibit 13 (p. 91) and **Exhibit 14.**)

21. Upon information and belief, Envision receives, sells and distributes digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the

accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for Envision. (See Exhibit 22.) Upon information and belief, Envision and/or others import the accused display devices into the United States and/or sell them after they have been imported into the United States. (See Exhibits 14, 19 (reflecting receipt by Envision of monitors and televisions that were shipped from China to the United States), and **20.**)

22. Upon information and belief, Top Victory Investments Ltd. (“Top Victory Investments”) is a corporation existing under the laws of China with its principal place of business at Suite 1023, 10th Floor, Ocean Centre, Harbour City, Tsim Sha Tsui, Kowloon, Hong Kong. Upon information and belief, Top Victory Investments is in the business of distributing display devices, such as monitors and digital televisions. (See Exhibit 13 (p. 88) and **Exhibit 23** (reflecting shipments by Top Victory Investments of monitors from China to the United States).) Upon information and belief, Top Victory Investments is a wholly-owned subsidiary of TPV Technology. (See Exhibit 13 (p. 88).)

23. Upon information and belief, Top Victory Investments distributes digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for and/or by Top Victory Investments. Top Victory Investments and/or others then import the accused display devices into the United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See Exhibit 13 (p. 88) and **Exhibit 23** (reflecting shipments by Top Victory Investments of monitors from China to the United States).)

24. Upon information and belief, TPV Electronics (Fujian) Co., Ltd. (“TPV Fujian”) is a corporation existing under the laws of China with its principal place of business at Yuan Hong Road, Shang-zheng, Fuqing City, Fujian Province, China. TPV Fujian is in the business of manufacturing and distributing display devices, such as monitors and digital televisions. (See **Exhibit 13 (p. 89)** and **Exhibit 24** (reflecting shipments by TPV Fujian of monitors from China to the United States).) TPV Fujian is believed to be a wholly-owned subsidiary of TPV Technology. (See **Exhibit 13 (p. 89)**.)

25. Upon information and belief, TPV Fujian manufactures and distributes digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for and/or by TPV Fujian. Upon information and belief, TPV Fujian and/or others then import the accused display devices into the United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See **Exhibit 13 (p. 89)** and **Exhibit 24** (reflecting shipments by TPV Fujian of monitors from China to the United States).)

26. Upon information and belief, TPV Display Technology (Wuhan) Co., Ltd. (“TPV Wuhan”) is a corporation existing under the laws of China with its principal place of business at Unique No. 11 of Zhuankou Development District of Economic Technological Development Zone, Wuhan City, China. TPV Wuhan is in the business of manufacturing and distributing, display devices, such as monitors. (See **Exhibit 13 (p. 89)** and **Exhibit 25** (reflecting shipments by TPV Wuhan of monitors from China to the United States).) Upon information and belief, TPV Wuhan is a wholly-owned subsidiary of TPV Technology. (See **Exhibit 13 (p. 89)**.)

27. Upon information and belief, TPV Wuhan manufactures and distributes monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for and/or by TPV Wuhan. Upon information and belief, TPV Wuhan and/or others then import the accused display devices into the United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See Exhibit 13 (p. 89) and **Exhibit 25** (reflecting shipments by TPV Wuhan of monitors from China to the United States).)

28. Upon information and belief, TPV Technology (Beijing) Co., Ltd. (“TPV Beijing”) is a corporation existing under the laws of China with its principal place of business at No. 10, Jiuxianqiao Road, Chaoyang District, Beijing, China 100016. TPV Beijing is in the business of manufacturing and distributing display devices, such as monitors and digital televisions. (See Exhibit 13 (p. 90) and **Exhibit 26** (reflecting shipments by TPV Beijing of monitors from China and South Korea to the United States).) Upon information and belief, TPV Beijing is a wholly-owned subsidiary of TPV Technology. (See Exhibit 13 (p. 90).)

29. Upon information and belief, TPV Beijing manufactures and distributes digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for and/or by TPV Beijing. Upon information and belief, TPV Beijing and/or others then import the accused display devices into the United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See Exhibit 13 (p. 90) and **Exhibit 26** (reflecting shipments by TPV Beijing of monitors from China and South Korea to the United States).)

C. The Proposed Innolux Respondents

30. Upon information and belief, Innolux Display and Innolux Corp. (collectively, the “proposed Innolux Respondents” or “Innolux”) are related companies. Upon information and belief, Innolux Corp. is a subsidiary of Innolux Display. (See **Exhibit 27**.) Upon information and belief, the proposed Innolux Respondents manufacture, distribute, and sell monitors that are imported into the United States by or on behalf of the Innolux Respondents. (See **Exhibits 28 and 29**.) Upon information and belief, the Accused Innolux monitors are sold in the United States under at least the brand names Dell®, HP®, Acer®, ViewSonic®, and Lenovo®. (See **Exhibit 16**.) The Innolux Proposed Respondents may also sell infringing goods under additional brand names. The Innolux Proposed Respondents have never taken a license to the Asserted Patents from Sony and, on information and belief, their products are not covered by any license under the Sony patents.⁵

31. Upon information and belief, proposed respondent Innolux Display Corporation (“Innolux Display”) is a corporation existing under the laws of Taiwan with its principal place of business at No. 160 Kesyue Rd., Jhunan Science Park, Miaoli County 350 Taiwan (R.O.C.). Innolux Display is in the business of designing, manufacturing, and selling monitors. (See **Exhibits 28-30**.) Innolux Display was established on January 14, 2003 and was listed on the Taiwan Stock Exchange in October 2006. (See **Exhibit 30**.)

32. Upon information and belief, Innolux Display manufactures and sells unlicensed monitors that infringe the Asserted Patents. Upon information and belief, the accused monitors

⁵ To the extent that any Innolux monitor models are fully covered under a license to the Asserted Patents, Complainant is not accusing those models in this Complaint. For example, Complainant is not accusing monitors manufactured by the proposed Innolux Respondents that a licensee later sells under its own brand name to consumers, if those products are fully covered under the licensee's license to the Asserted Products.

are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, by Innolux Display. Upon information and belief, Innolux Display and/or others then import the accused display devices into the United States, sell them after they have been imported into the United States, or sell them for importation into the United States. (See Exhibit 29 (reflecting shipments by Innolux Display of monitors from China to the United States).)

33. Upon information and belief, Innolux Corporation (“Innolux Corp.”) is a corporation existing under the laws of Texas with its principal place of business at 2525 Brockton Drive, Suite 300, Austin, Texas 78758. Innolux Corp. is in the business of selling and distributing monitors. (See Exhibits 29 and 31.)

34. Upon information and belief, Innolux Corp. sells and distributes monitors that infringe the Asserted Patents. Upon information and belief, the accused monitors are manufactured, assembled, and/or packaged and tested outside the United States, mainly in China, for Innolux Corp. Upon information and belief, Innolux Corp. and/or others import the accused display devices into the United States and/or sell them after they have been imported into the United States. (See Exhibits 29 (reflecting receipt by Innolux Corp. of monitors that were shipped from China to the United States) and 31.)

D. Proposed Respondent ViewSonic

35. Upon information and belief, ViewSonic Corporation (“ViewSonic”) is a corporation existing under the laws of Delaware with its principal place of business at 381 Brea Canyon Road, Walnut, California 91789. ViewSonic is in the business of marketing, selling, and distributing digital televisions and monitors. (See Exhibit 32.)

36. Upon information and belief, ViewSonic markets, sells, and distributes digital televisions and monitors that infringe the Asserted Patents. Upon information and belief, the accused display devices are manufactured, assembled, packaged and/or tested outside the United

States, mainly in China, for and/or by ViewSonic. (See **Exhibit 33** (reflecting receipt by ViewSonic of televisions and monitors that were shipped from China to the United States).) Companies that manufacture, assemble, package, and/or test products for ViewSonic include the proposed TPV Respondents and the proposed Innolux Respondents. ViewSonic and/or others import the accused display devices into the United States, sell them for importation into the United States, or sell them after they have been imported into the United States. (See **Exhibits 33** (reflecting receipt by ViewSonic of televisions and monitors that were shipped from China to the United States) and **34**.) These infringing goods are sold at least under the brand name ViewSonic®. ViewSonic has never taken a license to the Asserted Patents from Sony.⁶

III. THE TECHNOLOGY AND PRODUCTS AT ISSUE

37. The technologies at issue relate generally to various aspects of digital televisions and monitors.

38. The Accused Products and the Sony products that practice the asserted Sony patents are display devices including, but not limited to, digital televisions and monitors.⁷

⁶ To the extent that digital televisions or monitors sold under the ViewSonic® brand name are fully covered under a license to the Asserted Patents, Complainant is not accusing those models of infringement in this Complaint.

⁷ Complainant has physical samples of some of the accused digital televisions and monitors and well as the Sony products relied on to support a domestic industry. Upon request, Complainant is prepared to provide these products as physical exhibits, pursuant to Commission Rule 210.12(b). Due to their size and bulk, however, Complainant is not providing these items as physical exhibits at this time. Complainant has, however, attached photographs of the accused digital televisions and monitors and the representative domestic industry product as **Exhibits 35-40**.

IV. NON-TECHNICAL DESCRIPTIONS OF THE PATENTED TECHNOLOGY⁸

A. Ownership of the Asserted Patents

39. Sony owns by valid assignment the entire right, title, and interest in and to each of the Asserted Patents. Copies of the assignments of each of the Asserted Patents are attached as **Exhibits 41-52**.⁹

B. The '626 Patent

40. United States Patent No. 5,434,626 ("the '626 patent") is entitled "Display Apparatus Displaying Operation Menu." The '626 patent issued on July 18, 1995 from United States Patent Application Serial No. 08/252,972, which was filed on June 2, 1994 and is a continuation of United States Patent Application Serial No. 07/942,775, which was filed on September 10, 1992. The inventors identified in the '626 patent are Toshihide Hayashi and Koki Tsumori.

41. A certified copy of the '626 patent is attached hereto as **Exhibit 1**. The '626 patent is valid, enforceable, and is currently in full force and effect.

⁸ All non-technical descriptions of the inventions herein are presented to provide a general background of those inventions. These statements are not intended to be used nor should they be used for purposes of patent claim interpretation. Complainant presents these statements subject to and without waiver of its right to propose claim constructions based on applicable claim interpretation jurisprudence and relevant intrinsic and extrinsic evidence.

⁹ The '626, '373, '577, '542, '847, '055, and '468 patents were originally assigned from their respective inventors to Complaint Sony. The certified assignments for the '373, '577, '542, '847, '055, and '468 patents are attached hereto as **Exhibits 42 and 45-48**. A copy of the assignment for the '626 patent is attached hereto as **Exhibit 41**. The certified assignment for the '626 patent will be provided as soon as it is received. The '614, '472, and '131 patents were originally assigned from their respective inventors to both Complaint Sony and Sony Electronics Corporation ("SEL"). The certified assignments for the '614, '472, and '131 from their respective inventors to both Complaint Sony and SEL are attached hereto as **Exhibits 43, 49, and 51**. The '614, '472, and '131 were later assigned solely to Complaint Sony from SEL. Copies of these assignments from SEL to Complaint Sony are attached hereto as **Exhibits 44, 50, and 52**. Certified copies of these assignments from will be provided as soon as they are received.

42. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '626 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '626 patent are included in **Appendices A and K**, respectively.

43. The '626 patent has 34 claims, including two independent claims. Based on presently available information, Sony is asserting claims 1, 4, 20-22, 29, 30, 32 and 33 against digital televisions and claim 1 against PC Monitors.

44. The '626 patent relates generally to on screen menu displays for display devices such as television receivers. More specifically, the '626 patent discloses and claims a video display or television receiver apparatus that can control the display characteristics of unavailable items in a menu, enabling users to distinguish between available items and unavailable items, without causing the unavailable items to be removed from the menu. Because the unavailable items on a menu are indicated, for example, by a grey color or by being dimmed, the user will know which menu items are unavailable. Moreover, because unavailable items are not removed from the menu display, users can become familiar with the location of the various menu items, which helps prevent mistakes and confusion in the operation of the menu. This makes menu operation easier and provides a better experience for the user.

C. The '373 Patent

45. U.S. Patent No. 5,751,373 ("the '373 patent") is entitled "Television Function Selection Method, Television Receiver and Remote Commander for Television Receiver." The '373 patent issued on May 12, 1998 from United States Patent Application Serial No. 08/623,112, which was filed on March 28, 1996. The '373 patent identifies Tomoko Ohyama, Yukiko Ohkura, Masaharu Fukumoto, Shigeyuki Sano, Yasuko Rokukawa, Shiro Endo, Kyosuke Oda, Yumiko Minakawa, and Chifumi Matsuura as inventors.

46. A certified copy of the '373 patent is attached as **Exhibit 2**.

47. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '373 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '373 patent are included in **Appendices B** and **L**, respectively.

48. The '373 patent has 13 claims, including four independent claims. Based on presently available information, Sony is asserting claims 1 and 5 against digital televisions.

49. The '373 patent is directed generally to on screen menu displays for display devices such as television receivers. Specifically, the '373 patent discloses a television receiver and function selection method in which a user can designate and select items that are displayed in a hierarchical on-screen menu. A first level of a hierarchical menu level containing multiple items that a user can select is displayed. When the user designates one of those items, a subordinate level of the hierarchical menu is displayed in a second region of the screen. The user can select an item from the first level and an item from the second level to modify the functions of the television. Allowing the user to see the first and second hierarchical levels at one time makes it easier for the user to understand the available options and make the right decision. This makes menu operation less cumbersome and allows the user to more easily understand the relationship between the levels of hierarchy and the structure of the menu.

D. The '614 Patent

50. U.S. Patent No. 6,111,614 ("the '614 patent") is entitled "Method and Apparatus for Displaying an Electronic Menu having Components with Differing Levels of Transparency." The '614 patent issued on August 29, 2000 from United States Patent Application Serial No. 08/953,032, which was filed on October 17, 1997. The '614 patent identifies Kazuto Magura, Yuko Nishikawa, Joseph Saib, and Ludovic Legrand as inventors.

51. A certified copy of the '614 patent is attached as **Exhibit 3**.

52. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '614 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '614 patent are included in **Appendices C** and **M**, respectively.

53. The '614 patent has 19 claims, including four independent claims. Based on presently available information, Sony is asserting claims 1-4 against digital televisions.

54. The '614 patent is directed generally to on screen displays for display devices used, for example, in multiple channel broadcasting systems. Specifically, the '614 patent discloses a method for generating a menu display in which different levels of transparency may be applied to different components on a menu in such a way that the number of opaque components is minimized. Use, for example, of opaque text on a transparent background makes it easier for the user to read the text on the menu, while minimizing obstruction of the broadcast. As a result, the user can use the menu while watching the program being broadcast.

E. The '577 Patent

55. U.S. Patent No. 5,583,577 ("the '577 patent") is entitled "Caption Data Coding/Decoding Systems and Methods that Includes Key Data Indicating Intermediate Levels of Attenuation in the Vicinity of the Caption." The '577 patent issued on December 10, 1996 from United States Patent Application Serial No. 08/387,904, which has the 35 U.S.C. § 371 date of April 3, 1995. The '577 patent identifies Ikuo Tsukagoshi as the sole inventor.

56. A certified copy of the '577 patent is attached as **Exhibit 4**.

57. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '577 patent, three copies thereof and four copies of

each patent and applicable pages of each technical reference mentioned in the prosecution history of the '577 patent are included in **Appendices D** and **N**, respectively.

58. The '577 patent has 74 claims, including 18 independent claims. Based on presently available information, Sony is asserting claims 13, 15, 19, and 20 against digital televisions.

59. 47 C.F.R. § 15, or Part 15 of the Federal Communication Commission Rules, sets forth requirements for devices, such as televisions, sold inside the United States. Specifically, 47 C.F.R. § 15.122, provides closed captioning requirements for most digital televisions sold on or after July 1, 2002. In particular, 47 C.F.R. § 15.122(b) requires that digital television receivers and tuners be capable of decoding closed captioning information that is delivered pursuant to the EIA-708-B ("Digital Television (DTV) Closed Captioning") (attached hereto as **Exhibit 53**). Both the FCC regulations and EIA-708-B require implementation of elements that are relevant to the claims of the '577 patent. For example, both the FCC regulations and EIA-708-B require the background image in the vicinity of a caption to be attenuated to varying degrees.

60. The '577 patent is generally directed to methods and systems for coding and decoding caption data to be superimposed on a displayed video image. Specifically, the '577 patent discloses a caption decoding method in which a signal representing the caption is generated using coded caption data and the background video image in the vicinity of the caption is attenuated to varying degrees based on coded key data. This allows for gradual blending of the captions with the video image, as required, for example, by the FCC regulations and EIA-708-B, and prevents drastic transitions between the video and the caption.

F. The '542 Patent

61. U.S. Patent No. 5,684,542 ("the '542 patent") is entitled "Video Subtitle Processing System." The '542 patent issued on November 4, 1997 from United States Patent

Application Serial No. 08/360,095, which was filed on December 20, 1994. The '542 patent identifies Ikuo Tsukagoshi as the sole inventor.

62. A certified copy of the '542 patent is attached as **Exhibit 5**.

63. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '542 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '542 patent are included in **Appendices E and O**, respectively.

64. The '542 patent has 11 claims, including eight independent claims. Based on presently available information, Sony is asserting claims 6 and 8 against digital televisions.

65. The '542 patent is generally directed to the receiving of closed captioning information and the displaying of closed captions, such as subtitles, in digital televisions. The '542 patent discloses and claims an apparatus that receives and decodes subtitle data, video data, and audio data and then combines the subtitle output signal with the video output signal into a composite signal of a predetermined format. As explained above, 47 C.F.R. § 15.122(b) requires digital television receivers and tuners to be capable of decoding closed captioning information that is delivered pursuant to EIA-708-B. To make use of the closed captioning information that is sent in accordance with EIA-708-B, today's digital televisions universally include decoder circuitry that implements the asserted claims of the '542 patent.

G. The '847 Patent

66. U.S. Patent No. 5,731,847 ("the '847 patent") is entitled "Subtitle Encoding/Decoding Method and Apparatus." The '847 patent issued on March 24, 1998 from United States Patent Application Serial No. 08/618,515, which was filed on March 19, 1996. The '847 patent identifies Ikuo Tsukagoshi as the sole inventor.

67. A certified copy of the '847 patent is attached as **Exhibit 6**.

68. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '847 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '847 patent are included in **Appendices F and P**, respectively.

69. The '847 patent has 41 claims, including five independent claims. Based on presently available information, Sony is asserting claims 11, 12, 16, 27, 33-35, and 39-41 against digital televisions.

70. As noted above, 47 C.F.R. § 15.122(b) requires digital television receivers and tuners to be capable of decoding closed captioning information that is delivered pursuant to EIA-708-B. EIA-708-B, in turn, requires video to be synchronized with the closed caption information. The '847 patent is generally directed to the synchronization and display of closed caption information, such as subtitles, on video pictures. In particular, the '847 patent discloses and claims a subtitle decoder capable of using a buffer to ensure that subtitles are displayed contemporaneously with the respective video picture.

H. The '055 Patent

71. United States Reissue Patent No. 38,055 ("the '055 patent") is entitled "Video Data Bus Communication System and Method." The '055 patent issued on April 1, 2003 from United States Patent Application Serial No. 09/461,136, which was filed on December 14, 1999. The '055 is a reissue of U.S. Patent No. 5,699,426 issued on December 16, 1997 from United States Patent Application Serial No. 08/448,254, which in turn was filed on May 23, 1995. The '055 patent identifies Junichi Tsukamoto, Koichi Goto, and Shinichi Fukushima as inventors.

72. A certified copy of the '055 patent is attached as **Exhibit 7**.

73. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '055 patent, three copies thereof and four copies of

each patent and the applicable pages of each technical reference mentioned in the prosecution history of the '055 patent are included in **Appendices G** and **Q**, respectively.

74. The '055 patent has 66 claims, including 11 independent claims. Based on presently available information, Sony is asserting claims 41, 44, 45, 61, and 64 against both digital televisions and PC Monitors.

75. Today's digital televisions and monitors typically include one or more High-Definition Multimedia Interface ("HDMI") or Digital Visual Interface ("DVI") connections to allow video data to be transmitted to the television or monitor from an external device such as a DVD player. To ensure that the transmission of data over an HDMI or DVI connection is secure, the High-Bandwidth Digital Content Protection System ("HDCP") Specification may be implemented. Revisions 1.1 and 1.3 of the HDCP Specification are attached as **Exhibits 54** and **55**. HDCP is a form of digital copy protection that requires authentication and encryption before video data, such as a copyright protected motion picture, may be transmitted to the television or monitor. Use of HDCP is mandatory for HDMI connections and may be used for DVI connections.

76. The '055 patent is generally directed to the secure transmission of data from one device to another over a data bus. Secure transmission of video data is ensured by requiring an initial authentication process between the two devices, whereby the transmitting device confirms that a receiving display device is permitted to receive the data before sending it. Once authentication has been established, the transmitting device encrypts the data using an encryption key and transfers the encrypted data to the display device. The data is then decrypted according to the encryption key. In implementing HDCP, many digital televisions infringe the asserted claims of the '055 patent.

I. The '468 Patent

77. United States Reissue Patent No. 40,468 (“the ’468 patent”) is entitled “Video Data Bus Communication System and Method.” The ’468 patent issued on August 26, 2008 from United States Patent Application Serial No. 11/288,023 (“the ’023 application”), which was filed on November 28, 2005. The ’023 application is, in turn, a continuation of U.S. Patent Application No. 10/323,357 (“the ’357 application”), which was filed on December 19, 2002, and had previously issued as U.S. Patent No. Re. 38,898. The ’357 application is a continuation of United States Patent Application Serial No. 09/461,136, which was filed on December 14, 1999, and later issued as the ’055 patent, which is also asserted here. The ’055 patent, as noted above, is a reissue of U.S. Patent No. 5,699,426, which issued on December 16, 1997 from United States Patent Application Serial No. 08/448,254, which in turn was filed on May 23, 1995. The ’468 patent identifies Junichi Tsukamoto, Koichi Goto, and Shinichi Fukushima as inventors.

78. A certified copy of the ’468 patent is attached as **Exhibit 8**.

79. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the ’468 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the ’468 patent are included in **Appendices H and R**, respectively.

80. The ’468 patent has five claims, including a single independent claim. Based on presently available information, Sony is asserting claims 41-44 against digital televisions and claims 41 and 42 against PC Monitors.

81. As noted above, devices with a High-Definition Multimedia Interface (“HDMI”) or a Digital Visual Interface (“DVI”) typically implement the High-Bandwidth Digital Content Protection System (“HDCP”) Specification, which requires authentication before video data may be encrypted and transmitted to a receiving device such as a digital television or monitor.

82. Like the related '055 patent, the '468 patent is generally directed to the secure transmission of video data from one device to another over a data bus. Secure transmission of video data is ensured by requiring an initial authentication process between the two devices, whereby the transmitting device confirms that a receiving display device is permitted to receive the data before sending it. Once authentication has been established, the transmitting device encrypts the data using an encryption key and transfers the encrypted data to the display device. The display has a switch that allows either the encrypted video data received from the transmitting device or another video signal to be selected. If the encrypted video data from the transmitting device is selected, the data is decrypted according to the encryption key and then displayed. In implementing HDCP, many digital televisions that include HDMI and/or DVI connections infringe the asserted claims of the '468 patent.

J. The '472 Patent

83. U.S. Patent No. 6,661,472 ("the '472 patent") is entitled "Channel Selection In Digital Television." The '472 patent issued on December 9, 2003 from United States Patent Application Serial No. 09/406,541, which was filed on September 27, 1999 and is a continuation of Provisional Application No. 60/102,942, which, in turn, was filed on September 30, 1998. The '472 patent identifies Peter Rae Shintani and Shigeharu Kondo as inventors.

84. A certified copy of the '472 patent is attached as **Exhibit 9**.

85. Pursuant to Commission Rule 210.12(c), a certified copy of the U.S. Patent and Trademark Office prosecution history for the '472 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '472 patent are included in **Appendices I** and **S**, respectively.

86. The '472 patent has 18 claims, including four independent claims. Based on presently available information, Sony is asserting claims 1-4, 8, and 11-15 against digital televisions.

87. The '472 patent is generally directed to a fast and intuitive technique for selecting channels in a digital television. In digital televisions, digital channels are indicated by a major channel number and a minor channel number. The major channel number identifies channels that belong to a common group and the minor channel number specifies a particular channel within that group. The '472 patent discloses a digital television that determines whether an entered channel is digital and, if so, generates a list of the minor channel numbers associated with that channel. This allows the user to view which minor channels are associated with a major channel and then select the desired minor channel number from the list.

K. The '131 Patent

88. U.S. Patent No. 6,816,131 ("the '131 patent") is entitled "Single Horizontal Scan Range CRT Monitor." The '131 patent issued on November 9, 2004 from United States Patent Application Serial No. 9/880,585 ("the '585 application"), which was filed on June 13, 2001. The '585 application is a continuation of United States Patent Application Serial No. 09/422,484, which was filed on October 21, 1999, and has since issued as U.S. Patent No. 6,313,813. The '131 patent identifies Yoshihisa Narui and Pablo A. Espinosa as inventors.

89. A certified copy of the '131 patent is attached as **Exhibit 10**.

90. Pursuant to Commission Rule 210.12(c), a copy of the U.S. Patent and Trademark Office prosecution history for the '131 patent, three copies thereof and four copies of each patent and applicable pages of each technical reference mentioned in the prosecution history of the '131 patent are included in **Appendices J** and **T**, respectively.

91. The '131 patent has 47 claims, including ten independent claims. Based on presently available information, Sony is asserting claims 9, 12, 17, 19, 25, 26, 28, and 35 against digital televisions and claims 9, 17, 19, 25, 26, 28, and 35 against PC Monitors.

92. The '131 patent is generally directed to a method for use by a display device, such as a digital television or monitor, to receive digital display signals, detect their resolution and convert them to a digital output signal having a different resolution and the same horizontal frequency as the monitor. For example, a monitor with a natural resolution of 1080p could receive a 720p signal and convert it so that it can be shown on the 1080p display.

L. Foreign Counterparts

93. Lists of each foreign patent, each foreign patent application (not already issued as a patent) and each foreign patent application that has been abandoned corresponding to the Asserted Patents, with an indication of the prosecution status of each such patent application, are attached hereto as **Exhibit 56**. To the best of Complainant's knowledge, information, and belief, there are no other foreign patents or foreign patent applications pending, filed, abandoned, withdrawn or rejected corresponding to the Asserted Patents.

M. Licenses

94. Sony has licensed the Asserted Patents to the licensees identified in **Confidential Exhibit 57**. Under Commission Rule 210.12(a)(9)(iv), copies of each of these license agreements are provided in **Confidential Appendix U**.

V. UNLAWFUL AND UNFAIR ACTS OF PROPOSED RESPONDENTS—PATENT INFRINGEMENT

95. Upon information and belief, proposed respondents import, sell for importation into the United States, and/or sell in the United States after importation certain display devices that infringe one or more of the Asserted Patents in violation of 35 U.S.C. § 271(a).

A. Infringement by the Proposed TPV Respondents

96. The accused TPV display devices, which include digital televisions and PC Monitors, infringe one or more of the Asserted Sony Patents. On information and belief, the accused TPV digital televisions and monitors are manufactured, assembled and/or packaged and tested outside of the United States, mainly in the People's Republic of China. (See **Exhibit 22**.) These same products are then imported into the United States, sold for importation into the United States, and/or sold in the United States after importation. The aforesaid acts of the proposed TPV Respondents constitute direct infringement, contributory infringement and/or infringement by inducing end users and customers of the accused TPV products to infringe the asserted claims of Sony's patents.

97. The accused TPV digital televisions directly or indirectly infringe the following asserted claims of the Sony patents. All proposed TPV Respondents are accused of infringing these claims, except TPV Wuhan, which does not appear to manufacture or distribute televisions.

- Claims 41, 44, 45, 61, and 64 of the '055 patent;
- Claims 41-44 of the '468 patent;
- Claims 1-4, 8, and 11-15 of the '472 patent;
- Claims 13, 15, 19, and 20 of the '577 patent;
- Claims 6 and 8 of the '542 patent;
- Claims 11, 12, 16, 27, 33-35, and 39-41 of the '847 patent;
- Claims 1 and 5 of the '373 patent;
- Claims 1-4 of the '614 patent;
- Claims 1, 4, 20-22, 29, 30, 32 and 33 of the '626 patent; and
- Claims 9, 12, 17, 19, 25, 26, 28, and 35 of the '131 patent.

98. The accused TPV PC Monitors directly or indirectly infringe the following asserted claims. All proposed TPV Respondents are accused of infringing these claims.

- Claims 41, 44, 45, 61 and 64 of the '055 patent;
- Claims 41 and 42 of the '468 patent;
- Claim 1 of the '626 patent; and
- Claims 9, 17, 19, 25, 26, 28, and 35 of the '131 patent.

99. Upon information and belief, the proposed TPV respondents had notice of their infringement of the Asserted Patents through licensing negotiations conducted with Sony, through Sony's filing of a complaint on October 22, 2009 in *Sony Corporation v. ViewSonic Corporation, et.al.*, 09-cv-7698-CBM-CTx against TPV Technology, TPV USA, Envision, Top Victory Investments, TPV Fujian, TPV Wuhan, and TPV Beijing, and/or through other correspondence and communications with Sony. All ten patents at issue here were asserted in that complaint. And at least seven of the Asserted Patents, including the '626, '373, '614, '542, '577, '055, and '468 patents, were addressed in a presentation that was given by Sony during an in-person licensing meeting with the proposed TPV respondents on January 20, 2010. The proposed TPV respondents have continued to infringe the Asserted Patents after receiving notice of the infringement.

100. Upon information and belief, TPV contributes and/or actively induces the infringement by its end users and customers of the asserted claims of the Sony patents in violation of 35 U.S.C. 271 by selling within the United States, offering for sale within the United States, and/or importing into the United States the accused TPV display devices and by providing directions, demonstrations, guides, manuals, training for use, user prompts and other materials that encourage and facilitate others to perform actions known and intended by TPV to

be acts of infringement. For example, TPV actively induces infringement by its end users and customers of method claim 1 of the '373 patent through the sale of display products that include hierarchical on screen display menus and by encouraging users, through manuals and user prompts, and the like, to use such menus to perform the claimed functions.

101. Further discovery may reveal that additional claims of the Asserted Patents are infringed by the accused TPV products.

102. The accused TPV digital televisions that infringe the asserted claims specified herein include, but are not limited to, at least the AOC Envision Series L24H898 LCD TV and AOC Envision Series L42H861 LCD TV. Further discovery may reveal additional infringing products and/or models. Photographs of the representative infringing AOC Envision Series L42H861 LCD TV, and of the Zoran SupraHD 780 System on a Chip processor incorporated in the product, are attached to this Complaint as **Exhibit 35**. A copy of the user manual for the AOC Envision Series L42H861 LCD TV is attached to this Complaint as **Exhibit 58**. A copy of the product brief for the Zoran SupraHD 780 chip is attached to this Complaint as **Exhibit 59**.

103. Claim charts demonstrating how independent claims 1 and 4 of the '626 patent, independent claims 1 and 5 of the '373 patent, independent claim 1 of the '614 patent, independent claim 13 of the '577 patent, independent claims 6 and 8 of the '542 patent, independent claims 11, 27, and 33 of the '847 patent, independent claims 41 and 61 of the '055 patent, independent claim 41 of the '468 patent, independent claims 1, 8, and 15 of the '472 patent, and independent claims 9, 17, 19, 25, and 26 of the '131 patent read on the representative AOC Envision Series L42H861 LCD TV or the use of that product for the purposes of the asserted independent method claims are attached as **Exhibits 60-69**, respectively.

104. The accused TPV PC Monitors that infringe the asserted claims specified herein include, but are not limited to, at least the AOC 619Fh LCD Display. Further discovery may reveal additional infringing products and/or models. Photographs of the infringing AOC 619Fh LCD Display, and of the MST9200DA System on a Chip processor incorporated in that product, are attached to this Complaint as **Exhibit 36**. A copy of the user manual for the representative AOC 619Fh LCD Display is attached to this Complaint as **Exhibit 70**.

105. Claim charts demonstrating how independent claim 1 of the '626, independent claims 41 and 61 of the '055, independent claim 41 of the '468, and independent claims 9, 17, 19, 25, and 26 of the '131 read on the representative AOC 619Fh LCD Display or the use of that product for the purposes of the asserted independent method claims are attached as **Exhibits 71-74**, respectively.

B. Infringement by the Proposed Innolux Respondents

106. Innolux display devices, including monitors, infringe one or more of the Asserted Patents. On information and belief, the accused Innolux PC monitors are manufactured, assembled and/or packaged and tested outside of the United States, mainly in the People's Republic of China. (See **Exhibit 29**.) These same products are then imported into the United States, sold for importation into the United States, and/or sold after importation in the United States. The aforesaid acts of Innolux constitute direct infringement, contributory infringement and/or infringement by inducing end users and customers of the accused Innolux products to infringe the asserted claims of Sony's patents.

107. The accused Innolux PC monitors directly or indirectly infringe the following asserted claims:

- Claim 1 of the '626 patent;
- Claims 41, 44, 45, 61 and 64 of the '055 patent;

- Claims 41 and 42 of the '468 patent; and
- Claims 9, 17, 19, 25, 26, 28, and 35 of the '131 patent.

108. Upon information and belief, Innolux had notice of its infringement of the Asserted Patents through licensing negotiations conducted with Sony and/or through other correspondence and communications with Sony. Innolux has continued to infringe the Asserted Patents after receiving notice of the infringement.

109. Upon information and belief, Innolux contributes to the infringement of and/or actively induces the infringement by its end users and customers of the asserted claims of the Sony patents in violation of 35 U.S.C. 271 by selling within the United States, offering for sale within the United States, and/or importing into the United States the accused Innolux display devices and by providing directions, demonstrations, guides, manuals, training for use, and other materials that encourage and facilitate others to perform actions known and intended by Innolux to be acts of infringement. As an example, Innolux actively induces infringement by its end users and customers of method claim 41 of the '055 patent by importing, selling for importation, or selling after importation the accused Innolux monitors and encouraging users to perform the claimed functions through manuals and prompts.

110. Further discovery may reveal that additional claims of the Asserted Patents are infringed by the accused Innolux products.

111. The Innolux accused monitors that infringe the asserted claims specified herein include, but are not limited to, at least the HP w2558hc LCD monitor. Further discovery may reveal additional infringing products and/or models. Photographs of the infringing HP w2558hc LCD monitor, and of the STMicroelectronics FLI5968H-LF System on a Chip processor incorporated in the product, are attached to this Complaint as **Exhibit 37**. A copy of the user

manual for the HP w2558hc LCD monitor is attached to this Complaint as **Exhibit 75**. A copy of the product brief for the STMicroelectronics FLI5968H-LF chip is attached to this Complaint as **Exhibit 76**.

112. Claim charts demonstrating how independent claim 1 of the '626, independent claims 41 and 61 of the '055, independent claim 41 of the '468, and independent claims 9, 17, 19, 25 and 26 of the '131 read on representative HP w2558hc LCD monitor are attached as **Exhibits 77-80**, respectively.

C. Infringement by Proposed Respondent ViewSonic

113. Viewsonic display devices, including digital televisions and PC monitors, infringe one or more of the Asserted Patents. On information and belief, the accused Viewsonic display devices are manufactured, assembled and/or packaged and tested outside of the United States, mainly in the People's Republic of China. These same products are then imported into the United States, sold for importation into the United States, and/or sold in the United States after importation by Viewsonic. The aforesaid acts of ViewSonic constitute direct infringement, contributory infringement and/or infringement by inducing end users and customers of the accused ViewSonic products to infringe the asserted claims of Sony's Asserted Patents.

114. The accused ViewSonic digital televisions directly or indirectly infringe the following asserted claims of the Sony patents:

- Claims 1, 4, 20-22, 29, 30, 32 and 33 of the '626 patent;
- Claims 1 and 5 of the '373 patent;
- Claims 1-4 of the '614 patent;
- Claims 13, 15, 19, and 20 of the '577 patent;
- Claims 6 and 8 of the '542 patent;

- Claims 11, 12, 16, 27, 33-35, and 39-41 of the '847 patent;
- Claims 41, 44, 45, 61, and 64 of the '055 patent;
- Claims 41-44 of the '468 patent;
- Claims 1-4, 8, and 11-15 of the '472 patent; and
- Claims 9, 12, 17, 19, 25, 26, 28, and 35 of the '131 patent.

115. The accused ViewSonic monitors directly or indirectly infringe the following asserted claims:

- Claim 1 of the '626 patent;
- Claims 41, 44, 45, 61 and 64 of the '055 patent;
- Claims 41 and 42 of the '468 patent; and
- Claims 9, 17, 19, 25, 26, 28, and 35 of the '131 patent.

116. Upon information and belief, ViewSonic had notice of its infringement of the Asserted Patents through licensing negotiations conducted with Sony, through Sony's filing of a complaint against ViewSonic on October 22, 2009 in *Sony Corporation v. ViewSonic Corporation, et.al.*, 09-cv-7698-CBM-CTx, and/or through other correspondence and communications with Sony. At least eight of the Asserted Patents, including the '626, '373, '614, '542, '577, '131, '055, and '468 patents, were addressed in a presentation given by Sony during an in-person licensing meeting with the ViewSonic on January 14, 2010. ViewSonic has continued to infringe the Asserted Patents after receiving notice of the infringement.

117. Upon information and belief, Viewsonic contributes to the infringement of and/or actively induces the infringement by its end users and customers of the asserted claims of the Sony patents in violation of 35 U.S.C. 271 by selling within the United States, offering for sale within the United States, and/or importing into the United States the accused Viewsonic display

devices and by providing directions, demonstrations, guides, manuals, training for use, and other materials that encourage and facilitate others to perform actions known and intended by Viewsonic to be acts of infringement. For example, Viewsonic actively induces infringement by its end users and customers of method claim 1 of the '373 patent through the sale of display products that include hierarchical on screen display menus and encouraging users, through manuals and user prompts, to use such menus to perform the claimed functions.

118. Further discovery may reveal that additional claims of the Asserted Patents are infringed by the accused ViewSonic products.

119. The accused ViewSonic digital televisions that directly or indirectly infringe the asserted claims specified herein include, but are not limited to, at least the ViewSonic N2690w 26" LCD HDTV. Further discovery may reveal additional infringing products and/or models. Photographs of the infringing ViewSonic N2690w 26" LCD HDTV, and of the Zoran SupraHD 770 System on a Chip processor incorporated in the product, are attached to this Complaint as **Exhibit 38**. A copy of the user manual for the ViewSonic N2690w 26" LCD HDTV is attached to this Complaint as **Exhibit 81**. A copy of the product brief for the Zoran SupraHD 770 chip is attached to this Complaint as **Exhibit 82**.

120. Claim charts demonstrating how independent claims 1 and 4 of the '626 patent, independent claims 1 and 5 of the '373 patent, independent claim 1 of the '614 patent, independent claim 13 of the '577 patent, independent claims 6 and 8 of the '542 patent, independent claims 11, 27, and 33 of the '847 patent, independent claims 41 and 61 of the '055 patent, independent claim 41 of the '468 patent, independent claims 1, 8, and 15 of the '472 patent, and independent claims 9, 17, 19, 25 and 26 of the '131 patent read on the representative

ViewSonic N2690w 26" LCD HDTV or on the use of that product for the purposes of the asserted independent method claims, are attached as **Exhibits 83-92**, respectively.

121. The accused ViewSonic monitors that infringe the asserted claims specified herein include, but are not limited to, at least the ViewSonic VX2260wm LCD Display. Further discovery may reveal additional infringing products and/or models. Photographs of the infringing ViewSonic VX2260wm LCD Display, and of the Novatek NT68672UMFG chip incorporated in the product, are attached to this Complaint as **Exhibit 39**. A copy of the user manual for the ViewSonic VX2260wm LCD Display is attached to this Complaint as **Exhibit 93**.

122. Claim charts demonstrating how independent claim 1 of the '626 patent, independent claims 41 and 61 of the '055 patent, independent claim 41 of the '468 patent, and independent claims 9, 17, 19, 25, and 26 of the '131 patent read on the representative ViewSonic VX2260wm LCD Display or on the use of that product for the purposes of the asserted independent method claims are attached as **Exhibits 94-97**, respectively.

VI. SPECIFIC INSTANCES OF UNFAIR IMPORTATION AND SALE

123. Upon information and belief, proposed respondents sell for importation, import, and/or sell after importation into the United States certain display devices that infringe the asserted claims of the Asserted Patents, as set forth above.

A. TPV

124. Upon information and belief, the proposed TPV respondents and/or others on their behalf, manufacture the Accused Products outside the United States, mainly in the People's Republic of China, and then import them into the United States, sell them for importation into the United States and/or sell them after importation into the United States. For example, **Exhibits 18, 19, and 23-26** are searches run on importgenius.com, showing the importation of

TPV display devices to the United States. The imported products are sold in the United States through various retailers under at least the brand names Envision®, AOC®, HP®, Dell®, Acer®, Lenovo®, ASUS®, and ViewSonic®. **Exhibit 98** is an example of the marketing for the AOC Envision Series L24H898 LCD TV on AOC's Internet site.

125. On March 12, 2009, the AOC Envision Series L42H861 LCD TV and AOC 619Fh LCD Display were purchased in the United States. Labels on the products and/or product packaging indicate that the products were manufactured in China. Attached as **Exhibits 35** and **36** are photographs of the products indicating they were manufactured in China and attached as **Exhibits 99** and **100** are copies of the receipts reflecting purchase of the products in the United States.

126. Further discovery likely will reveal additional specific acts of TPV Respondents' importation, sale for importation, and/or sale after importation of the Accused Products.

B. Innolux

127. Upon information and belief, Innolux and/or others on its behalf, manufacture the Accused Products outside the United States, mainly in the People's Republic of China, and then import them into the United States, sell them for importation into the United States and/or sell them after importation into the United States. For example, **Exhibit 29** is a search run on importgenius.com, showing the importation of Innolux products to the United States. The imported products are sold in the United States through various retailers under the brand names Dell®, HP®, Acer®, ViewSonic®, and Lenovo®.

128. On July 13, 2009, the HP w2558hc LCD Monitor was purchased in the United States. Labels on the HP w2558hc and/or product packaging indicate that the HP w2558hc was manufactured in China. Attached as **Exhibit 37** are photographs of the product indicating it was

manufactured in China and attached as **Exhibit 101** is a copy of the receipt reflecting purchase of the product in the United States.

129. Further discovery will likely reveal additional specific acts of Innolux's importation, sale for importation, and/or sale after importation of the Accused Products.

C. ViewSonic

130. Upon information and belief, ViewSonic, and/or others on its behalf, manufacture the Accused Products outside the United States, mainly in the People's Republic of China, and then import them into the United States, sell them for importation into the United States and/or sell them after importation into the United States. For example, **Exhibit 33** is a search run on importgenius.com, showing the importation of display devices to ViewSonic. The imported products are sold in the United States through various retailers under the brand name ViewSonic®. **Exhibit 102** is a description of an offer for sale of the ViewSonic N2690w 26" LCD HDTV on ViewSonic's Internet site.

131. On December 9, 2009, the ViewSonic N2690w 26" LCD HDTV was purchased in the United States. Labels on the ViewSonic N2690w and product packaging indicate that it was manufactured in China. Attached as **Exhibit 38** are photographs of the product indicating it was manufactured in China and attached as **Exhibit 103** is a copy of the receipt reflecting purchase of the product in the United States.

132. On July 13, 2009, the ViewSonic VX2260wm LCD Display was purchased in the United States. Labels on the ViewSonic VX2260wm and/or product packaging indicate that the ViewSonic VX2260wm was manufactured in China. Attached as **Exhibit 39** are photographs of the product indicating it was manufactured in China and attached as **Exhibit 104** is copy of the receipt for the product reflecting purchase of the Accused Product in the United States.

133. Further discovery likely will reveal additional specific acts of ViewSonic's importation, sale for importation, and/or sale after importation of the Accused Products.

VII. HARMONIZED TARIFF SCHEDULE ITEM NUMBERS

134. Upon information and belief, the infringing display devices may be classified under at least item numbers 8525 and 8528 of the Harmonized Tariff Schedule (“HTS”) of the United States. These HTS numbers are intended for illustration purposes only, and are not intended to be restrictive of the devices and products accused.

VIII. RELATED LITIGATION

135. On October 22, 2009, Sony Corporation filed an action in the United States District Court for the Central District of California entitled *Sony Corporation v. ViewSonic Corporation, et.al.*, 09-cv-7698-CBM-CTx, alleging infringement of all ten Asserted Patents against ViewSonic, TPV Technology, TPV USA, Envision, Top Victory Investments, TPV Fujian, TPV Wuhan, and TPV Beijing.¹⁰ On February 4, 2010, Sony filed an Amended Complaint, again asserting all ten of the Asserted Patents against the same accused infringers named in the original complaint. (See **Exhibit 105**.) On February 22, 2010, ViewSonic, TPV Technology, TPV USA, Envision, Top Victory Investments, TPV Fujian, TPV Wuhan, and TPV Beijing filed their Answers to Sony’s First Amended Complaint. (See **Exhibits 106 and 107**.)

136. Sony previously asserted nine of the Asserted Patents, the ’626, ’373, ’614, ’577, ’542, ’847, ’055, ’468, and ’472 patents, in two litigations in the Central District of California against parties other than the proposed respondents, entitled *Sony Corporation v. Westinghouse*

¹⁰ Sony also named AOC International as a defendant in the Central District of California litigation. AOC International is not named as a proposed respondent in this Complaint.

Digital Electronics, 08-cv-03934-RGK-FMOx and *Sony Corporation v. Vizio, Inc.*, 08-cv-01135-RGK-FMOx. Sony did not assert the '131 patent in these previous litigations.

137. In *Sony Corporation v. Westinghouse Digital Electronics*, 08-cv-03934-RGK-FMOx, on June 16, 2008, Sony filed a Complaint against Westinghouse Digital Electronics for infringement of seven Sony patents, all of which are asserted here against proposed respondents, specifically the '626, '373, '614, '577, '542, '847, and '055 patents. On September 16, 2008, the Court issued an Order allowing Sony to file its First Amended Complaint to add claims of infringement for the '468 and '472 patents, which are asserted against proposed respondents, as well as a third patent that is not asserted here. (See Exhibit 108.) At the close of discovery, Sony and Westinghouse entered into a Patent License and Settlement Agreement. (See Confidential Appendix U.) On March 4, 2009, the Court entered the parties' Final Judgment by Consent, whereby Westinghouse consented to judgment against it on infringement of the patents-in-suit and consented that all claims of the patents-in-suit are valid and enforceable. (See Exhibit 109.)

138. In *Sony Corporation v. Vizio, Inc.*, 08-cv-01135-RGK-FMOx, on October 10, 2008, Sony filed suit against Vizio and on November 14, 2008 Sony amended the Complaint to assert the same ten patents that were at issue in the *Westinghouse* action, including the following nine patents that are also asserted against proposed respondents: '626, '373, '614, '577, '542, '847, '055, '468, and '472. (See Exhibit 110.) Shortly after the close of discovery, on October 22, 2009, Sony and Vizio entered into a Patent License and Settlement Agreement. (See Confidential Appendix U.) On November 5, 2009, the Court granted Sony and Vizio's stipulated dismissal. (See Exhibit 111.)

139. Sony has not asserted the Asserted Patents in any other domestic or foreign litigation or in any domestic or foreign agency investigation.

IX. THE DOMESTIC INDUSTRY

140. In accordance with Section 337(a)(2)-(3), an industry in the United States exists for products protected by the Asserted Patents. Sony has made significant investments in plant and equipment, significant employment of labor and capital, and substantial investments in its exploitation of the Asserted Patents in the United States, including research and development, repair and refurbishment, warranty support, licensing, and litigation. These investments are all tied, at least in part, to the Asserted Patents. **Confidential Exhibit 112** is a declaration regarding Sony's domestic industry, detailing Sony's significant investments in plant and equipment, significant employment of labor and capital, and substantial investments in its exploitation of the Asserted Patents in the United States.

A. Sony's Digital Televisions Practice the Inventions of the Asserted Patents.

141. Sony digital televisions that are sold and supported in the United States, including but not limited to the Sony KDL-26L5000 LCD TV, which is representative of Sony's digital television product line with respect to the patented technology at issue here, practice at least one or more claims of the Asserted Patents. **Exhibits 113-122** are claim charts demonstrating that the Sony KDL-26L5000 LCD TV practices at least one independent claim of each patent. The Sony KDL-26L5000 user manual, attached as **Exhibit 123**, provides further evidence that this representative product practices at least one of the claims of each of the Asserted Patents. Photographs of relevant aspects of the Sony KDL-26L5000 are attached as **Exhibit 40**.

B. Sony Conducts Significant Industry Activities in the United States Relating to the Technology of the Asserted Patents.

142. Sony's digital televisions are one of the leading U.S. brands. Although Sony's digital televisions are manufactured outside of the United States, two of its principal U.S.-based subsidiaries, Sony Electronics Inc. ("SEL"), a Delaware corporation, headquartered in San Diego, California, and Sony Corporation of America ("SCA"), which is headquartered in New York, conduct significant domestic industry activities in the United States relating to the Sony digital televisions that practice the asserted patents. These activities include engineering, design, research, development, distribution, marketing and administration of warranty and repair of Sony digital televisions, which practice the patents asserted here. Sony also exploits the technology of the patents at issue through extensive licensing activities conducted in this country.

1. Sony Has Substantial Investment in Engineering, Research and Development Activities in the United States, as Well as Labor and Capital Related to those Activities.

143. For many years, SEL and its engineers have engaged in research and development for the Sony digital televisions covered by the asserted patents. Among other things, SEL employees work to ensure that Sony's digital televisions meet the applicable U.S. market requirements and operate as intended. In addition to R&D and quality control, they also provides a broad array of technical services relating to the administration of the repair and refurbishment of, and after-market customer support for, Sony's digital televisions.

144. SEL's Sony Technology Center-San Diego is the primary location for the design and development of Sony digital televisions for the U.S. market. The San Diego campus covers approximately 94 acres, and contains several buildings with over a million square feet. The San Diego facility opened in 1972.

145. Approximately one-third of the people that SEL currently employs in the United States work at the San Diego campus. SEL employs engineers at the San Diego campus, many of whom work in SEL's Television Engineering of America Group (the "TV Group") on various aspects of the technology incorporated in Sony digital televisions, which practice the patents at issue.

146. SEL's TV Group engineers are responsible for a variety of tasks related to Sony's use and incorporation of the patented technology in the Sony televisions sold in the United States. One such task is to ensure that Sony's televisions meet U.S. regulations and requirements including EIA-708-B (closed captioning) and the High-bandwidth Digital Content Protection ("HDCP") protocol. Currently, all Sony digital televisions that Sony sells in the U.S. comply with those protocols. Ensuring that such televisions operate in accordance with these requirements is directly relevant to the asserted patents because the implementation of closed captioning in accordance with EIA-708-B implicates numerous aspects of the asserted claims of the '577, '542, and '847 patents (see **Exhibit 53** (EIA-708-B)), and the implementation of the HDCP protocol implicates certain aspects of the asserted claims of the '055 and '468 patents (see **Exhibit 55** (HDCP, Rev. 1.3)). SEL's U.S.-based TV Group engineers also develop software for Sony digital televisions that are sold in the U.S., which incorporate the technology of the asserted '626, '373, '472, '614, and '131 patents.

2. Sony has Significant Employment of Labor and Capital in Administering the Repair and Warranty of the Products Protected by the Asserted Patents in the United States.

147. Sony digital televisions are warranted against defects in material and workmanship. (See **Exhibit 124**.) The service and repair of Sony televisions sold in the United States is administered by SEL's Service Platform, which is based at the San Diego campus. The Service Platform, is responsible for supporting the Sony Service Authorized Network, which is a

network of Authorized Servicers based in the United States whose employees repair Sony digital televisions that incorporate the patented technology.

148. Among other things, employees of the Service Platform train members of the Service Authorized Network to repair Sony's digital televisions. They do so, in part, by generating training materials including television schematics, service manuals, and an informational website, which members of the Service Authorized Network use. The Service Platform also operates technical assistance phone lines for members of the Service Authorized Network.

149. The limited warranty packaged with the Sony digital televisions sold in the U.S. directs consumers to contact the Sony Customer Information Service Center ("CISC"). (See Exhibit 124.) The CISC is based in San Diego and has operations in Ft. Myers, Florida. The CISC is responsible for the overall operation of telephone customer support. It develops and delivers agent training and monitors for customer support quality, and provides documentation describing the proper procedures for agents to use in responding to customer inquiries. The CISC also maintains a customer support knowledgebase, which contains technical response Q&A's, including responses that relate to Sony's digital televisions.

150. Although most inbound telephone calls are handled by customer support agents located overseas and employed by third parties, some SEL employees in the United States handle telephone calls from customers needing escalated levels of support for Sony televisions.

3. Sony has Significant Employment of Labor and Capital in Marketing the Products Protected by the Asserted Patents in the United States.

151. Sony devotes considerable resources in the United States to the marketing of the digital televisions protected by the asserted patents. For example, the Trade Show and Event Services group, based in San Diego, is responsible for displaying such products, as well as others,

at industry trade shows, as well as conducting press and other marketing events, in the United States.

152. Last year, SEL, both on its own and jointly with other Sony U.S. entities, conducted approximately 75 such events in the United States. For example, in June 2009, SEL rented Yankee Stadium for its Home Products Division Press Event, where Sony consumer products were displayed. The majority of products displayed at that event were the Sony digital televisions that incorporate the patented technology at issue here. Similarly, Sony had a 25,000 square foot display area—one of the largest—at the 2010 Consumer Electronics Show (“CES”), an industry trade event. Sony digital televisions were displayed throughout the Sony display area. Further, at the Custom Electronic Design and Installation Association (“CEDIA”) annual trade show in September 2009, SEL was the largest television manufacturer to have a display, with a 5,600 square feet display area. Digital televisions were the primary product on display for SEL at CEDIA.

C. Sony Has Substantial Investments in Licensing the Asserted Patents.

153. As an independent ground for establishing a domestic industry, Sony has been, and is currently engaged in, extensive licensing activities relating to the asserted patents. Sony actively licenses its patents to makers and sellers of digital televisions and PC Monitors. Sony considers the asserted patents to be particularly valuable and typically emphasizes them in the presentations Sony often gives to potential licensees in the course of licensing negotiations. To date, approximately eleven companies have taken licenses under Sony's patents for digital televisions and approximately another eleven companies have taken licenses that cover both digital televisions and PC monitors.

154. SCA and SEL employ personnel in the United States, including legal counsel, engineers, and support staff, to carry out these significant licensing activities. Currently, SCA

and SEL employees in the United States are engaged in activities related to the licensing of Sony's patents with respect to digital displays. As described in Section VIII above, Sony has filed three separate lawsuits involving the asserted patents. The first two lawsuits, against Westinghouse and Vizio, respectively, ultimately involved nine of the ten patents asserted here. Both lawsuits have now settled and resulted in licenses. The third lawsuit, against most of the proposed TPV Respondents and against proposed Respondent Viewsonic, involves all ten asserted patents, and is currently pending in the Central District of California.

155. In order to license its patents with respect to digital displays, Sony has held numerous in-person meetings in the United States with digital display companies. In the course of these license negotiation meetings, Sony offered patent licenses to these companies and specifically read at least some of the patents asserted here on the products of those companies.

X. RELIEF REQUESTED

156. Proposed respondents have infringed and will continue to infringe Sony's Asserted Patents unless the ITC prohibits the importation and sale in the United States of proposed respondents' infringing display devices, including digital televisions and monitors.

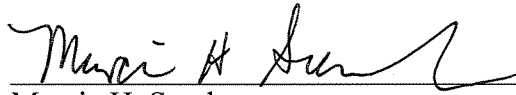
157. WHEREFORE, by reason of the foregoing, Complainant Sony respectfully requests that the United States International Trade Commission:

- (a) Institute an immediate investigation, pursuant to Section 337 of the Tariff Act of 1930, as amended, 19 U.S.C. § 1337(a)(1)(B)(i) and (b)(1), with respect to violations of Section 337 arising from the importation into the United States, the sale for importation into the United States, and/or the sale within the United States after importation of proposed respondents' display devices that infringe one or more asserted claims of the Asserted Patents;

- (b) Hold a hearing, pursuant to Section 337(c) and (d), for purposes of receiving evidence and hearing argument concerning whether there has been a violation of Section 337;
- (c) Determine that there has been a violation of Section 337;
- (d) Issue a permanent exclusion order, pursuant to Section 337(d), prohibiting entry into the United States, or admission into foreign trade zones of the United States, all of proposed respondents' display devices that infringe one or more asserted claims of the Asserted Patents;
- (d) Issue permanent cease and desist orders, pursuant to Section 337(f), prohibiting proposed respondents, their affiliates, others acting on behalf of proposed respondents, and others who are in active concert or participation with the proposed respondents from importing into the United States, admitting or withdrawing from a foreign trade zone of the United States, marketing, advertising, demonstrating, warehousing inventory for distribution, distributing, offering for sale, selling, licensing, using, or transferring outside the United States for sale in the United States any of proposed respondents' display devices that infringe one or more asserted claims of the Asserted Patents; and
- (e) Issue such other and further relief as the Commission deems just and proper based on the facts determined by the investigation and the authority of the Commission.

DATED: March 18, 2010

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Marcia H. Sundeen", written over a horizontal line.

Marcia H. Sundeen
KENYON & KENYON, LLP
1500 K Street, NW
Washington, DC 20005-1257
Telephone: (202) 220-4292

VERIFICATION OF COMPLAINT

I, Jaime A. Siegel, declare, in accordance with 19 C.F.R. 210.4 and 210.12(a), under penalty of perjury, that the following statements are true:

1. I am the Senior IP Counsel, Intellectual Property Department, and am employed by Sony Corporation of America. Among other duties, I represent complainant Sony Corporation ("Sony Corp.") and Sony Electronics Inc. ("SEL") in intellectual property matters. I am authorized to make this verification for and on behalf of Sony Corporation.

2. I have read the foregoing Complaint;

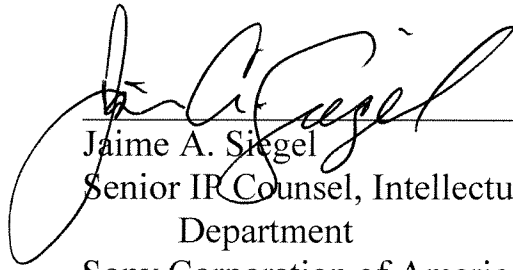
3. To the best of my knowledge, information, and belief, based upon reasonable inquiry, the foregoing Complaint is well-founded in fact and is warranted by existing law or by a non-frivolous argument for the extension, modification, or reversal of existing law, or the establishment of new law;

4. The allegations and other factual contentions have evidentiary support or are likely to have evidentiary support after a reasonable opportunity for further investigation or discovery; and

5. The foregoing Complaint is not being filed for an improper purpose, such as to harass or cause unnecessary delay or needless increase in the cost of litigation.

I declare under penalty of perjury that the foregoing is true and correct.

Executed this 17th day of March, 2010 at Park Ridge, New Jersey.



Jaime A. Siegel
Senior IP Counsel, Intellectual Property
Department
Sony Corporation of America