# UNITED STATES DISTRICT COURT DISTRICT OF CONNECTICUT CHANG HSUEH-O HSU, Plaintiff, v. Complaint for Patent Infringement THORSEN TOOL COMPANY, INC., U.S. HOLDINGS COMPANY, INC., HARBOR FREIGHT USA TOOLS, INC., and DOES 1-10, Defendants.

Plaintiff, Chang Hsueh-O Hsu, by and through her attorneys, states the following as her complaint against defendants Thorsen Tool Company, Inc., U.S. Holdings Corporation, Harbor Freight USA Tools, Inc. and Does 1-10 (each a defendant, collectively referred to hereinafter as "Defendants"):

#### THE PARTIES

- 1. Plaintiff, Chang Hsueh-O Hsu, is an individual who resides in Taiwan and is the owner of all rights under United States Patent Nos. 8,261,638 (entitled "Hand Tool Adapter") (the "'638 Patent") and 8,307,742 (also) entitled "Hand Tool Adapter") (the "'742 Patent").
- Upon information and belief, defendant US Holdings Corporation
   ("Holdings") is a corporation organized and existing under the laws of Texas, and

having a principal place of business at 3406 Lovers Lane in Dallas, Texas that manufactures and distributes and/or sells a device called the "Puck Wrench®" which infringes plaintiff's patent rights, and which is distributed throughout the United States.

- 3. Upon information and belief, defendant Thorsen Tool Company, Inc.

  ("Thorsen") is a corporation organized and existing under the laws of Delaware,
  and having a principal place of business at 1932 South Lynx Avenue in Ontario,
  California that manufactures and distributes and/or sells a device called the "Puck
  Wrench®" which infringes plaintiff's patent rights, and which is distributed
  throughout the United States.
- 4. Upon information and belief, defendant Harbor Freight Tools USA, Inc.

  ("Harbor Freight") is a corporation organized and existing under the laws of

  Delaware, and having a principal place of business at 26541 Agoura Road in

  California that manufactures and distributes and/or sells a device called the

  "Universal Grip Wrench" which infringes plaintiff's patent rights. Harbor Freight

  does business within this judicial district through numerous retail outlets located in

  the state of Connecticut.
- 5. Plaintiff has information and relying thereon believes that the defendants sued herein as Doe Defendants 1-5 are persons or business entities who are variously retailers, distributors, manufacturers, importers, exporters and/or wholesalers of infringing products, the same or similar to the products complained

of herein, and sold, offered for sale, imported and/or [co]-manufactured, and sold the same, including sales to the specifically named defendants; and manufacture such infringing products and/or obtain such products, directly or indirectly, from the same common sources and suppliers of such products to Holdings, Thorsen and Harbor Freight other Doe Defendants as detailed herein, and others.

6. Plaintiff is further informed and relying thereon believes that the defendants sued herein as Doe Defendants 6-10 are persons or business entities who are variously manufacturers, sellers, agents, representatives, intermediaries or affiliates who sold, offered for sale, imported and/or [co]-manufactured infringing products, the same or similar to the products complained of herein, and sold the same directly or indirectly to Holdings, Thorsen and Harbor Freight and Doe Defendants 1-5 as detailed herein.

#### JURISDICTION AND VENUE

- 7. This is an action for patent infringement. Jurisdiction is founded on the existence of a federal question arising under the Acts of Congress relating to Patents, 35 U.S.C. §§ 271; 281-285, and pursuant to 28 U.S.C. §§ 1331 and 1338(a).
- 8. Venue is proper under 28 U.S.C. §§ 1400(b), as all defendants are corporations regularly doing business and residing in this judicial district.
- This Court has personal jurisdiction over all defendants because each such defendant has committed acts of infringement in Connecticut by offering for sale,

selling, using and importing products that infringe the '638 and '742 Patents in Connecticut and/or putting products into the stream of commerce which have been sold in Connecticut.

#### ALLEGATIONS COMMON TO ALL COUNTS

- 10. On or about January 21, 2013, Hsu, through its Chinese counsel, wrote to Holdings and Thorsen that their Puck Wrench® infringed Hsu's U.S. Patent Nos. 8,261,638 and 8,307,742 and that Holdings and Thorsen should immediately cease and desist from manufacture and sale of the accused Puck Wrench®. Hsu enclosed copies of both the '638 and '742 patents with photographs of Defendants' infringing products as offered for sale and sold by U.S. merchants and online stores.
- 11. On or about March 21, 2 013, Holdings responded to Hsu's cease and desist letter with the false and deceptive statement that: "U.S. holdings began selling the Thorsen brand Puck Wrench® long before the filing date of (November 12, 2010) of U.S. Patent No. 8,307,742. Therefore, the filing date of U.S. Patent No. 8,307,742 is predated by sales of the Thorsen brand Puck Wrench®, and U.S. Patent No. 8,307,742 is thus invalid."
- 12. Holdings and Thorsen knew their statement that they began selling their infringing products "long before" the filing date of '742 Patent was false when made. The falsity of the statement is apparent on its face, as under US law (unlike under Chinese law, prior sale is not a defense to patent infringement. Moreover, the

letter from defendants, written by specialized patent counsel, failed to identify any statutory sale bar, apparently because there was no such defense, and such a statement was a misrepresentation of fact in a negotiation by counsel and is in violation of the canons of ethics.

- 13. Upon information and belief, Holdings and Thorsen did not offer for sale or sell their infringing products more than one year before the November 10, 2010 filing date of the '742 patent. As such, Holdings and Thorsen knowingly and falsely asserted that their alleged sales invalidated the '742 patent due to the one year "on sale" statutory bar, in a transparent and unethical attempt to "slip one past" Chinese counsel.
- 14. On or about January 21, 2013 Hsu wrote to Harbor Freight that its Universal Grip Wrench infringed Hsu's U.S. Patent Nos. 8,261,638 and 8,307,742 and that Harbor Freight should immediately cease and desist manufacture and sale of the Universal Grip Wrench. Hsu enclosed copies of both the '638 and '742 patents with photographs of Defendants' infringing products as offered for sale and sold by U.S. merchants and online stores.

#### **COUNT ONE**

(Against Thorsen, Holdings, Harbor Freight and Does 1-10 for Infringement of U.S. Patent No. 8,261,638)

15. As a cause of action and ground for relief, Plaintiff alleges and incorporates by reference paragraphs 1 through 14 of this complaint as a part of this Count.

- 16. Plaintiff is the owner of all rights under United States Patent No. 8,261,638 entitled "Hand Tool Adapter" which issued on September 11, 2012 and is directed to a hand tool adapter. A copy of the '638 Patent is attached as Exhibit A.
- 17. Defendants have imported, manufactured, used, sold, and/or offered for sale hand tool adapters in the United States that infringe the Patent. Despite warning letters from the Plaintiff (Exhibits B and C), such infringement continues. See Exhibits D and Ephotographs of Defendants' "Puck Wrench®" and Universal Grip Wrench which infringe the '638 Patent. Such actions constitute direct, contributory and inducement of infringement of the '638 Patent either literally or under the doctrine of equivalence.
- 18. Plaintiff has never authorized either of the Defendants at any time to make, use or sell any products covered by the '638 Patent.
- 19. Plaintiff has been damaged by Defendants' direct, contributory and inducement of infringement of the '638 Patent, whether literally or under the doctrine of equivalence, including, without limitation, lost profits, and/or royalty income, and/or damages on account of convoyed sales, and the Defendants have been unjustly enriched by such infringement, on account of profits and/or convoyed sales.
- 20. Plaintiff has also suffered irreparable harm by Defendants' infringement of the '638 Patent and will continue to suffer irreparable harm in the future, unless

Defendants are preliminarily and permanently enjoined from infringing the '638 Patent.

21. Defendants have had actual knowledge of the Patent, and their infringement of the Patent has been, and continues to be, willful, wanton, malicious and deliberate. The circumstances of such infringement warrant finding the above-complained of infringement to be an exceptional one.

#### **COUNT TWO**

(Against Thorsen, Holdings, Harbor Freight and Does 1-10 for Infringement of U.S. Patent No. 8,307,742)

- 22. As a cause of action and ground for relief, Plaintiff alleges and incorporates by reference paragraphs 1 through 21 of this complaint as a part of this Count.
- 23. Plaintiff is the owner of all rights under United States Patent No. 8,307,742 entitled "Hand Tool Adapter" which issued on November, 2012 and is directed to a hand tool adapter. A copy of the '742 Patent is attached as Exhibit F.
- 24. Defendants have imported, manufactured, used, sold, and/or offered for sale hand tool adapters in the United States that infringe the Patent.
- 25. Despite warning letters from the Plaintiff (Exhibits B and C), such infringement continues. See Exhibits D and E, photographs of Defendants' "Puck Wrench®" and Universal Grip Wrench which infringe the '742 Patent. Such actions constitute direct, contributory and inducement of infringement of the '742 Patent either literally or under the doctrine of equivalence.

- 26. Plaintiff has never authorized either of the Defendants at any time to make, use or sell any products covered by the '742 Patent.
- 27. Plaintiff has been damaged by Defendants' direct, contributory and inducement of infringement of the '742 Patent whether literally or under the doctrine of equivalence, including, without limitation, lost profits, and/or royalty income, and/or damages on account of convoyed sales, and the Defendants have been unjustly enriched by such infringement, on account of profits and/or convoyed sales.
- 28. Plaintiff has also suffered irreparable harm by Defendants' infringement of the '742 Patent and will continue to suffer irreparable harm in the future, unless Defendants are preliminarily and permanently enjoined from infringing the '742 Patent.
- 29. Defendants have had actual knowledge of the '742 Patent, and their infringement of the '742 Patent has been, and continues to be, willful, wanton, malicious and deliberate. The circumstances of such infringement warrant finding the above-complained of infringement to be an exceptional one.

#### COUNT THREE

(Against Thorsen, Holdings, Harbor Freight and Does 1-10 for Inducing Patent Infringement of U.S. Patent No. 8,261,638)

30. As a cause of action and ground for relief, Plaintiff alleges and incorporates by reference paragraphs 1 through 29 of this complaint as a part of this Count.

- 31. Upon information and belief, Defendants have actively induced infringement of the '638 Patent by importing into the United States hand tools which infringe the '638 Patent and Defendants are accordingly liable as contributory infringers of the Patent pursuant to 35 USC 271 (b).
- 32. Such actions have damaged plaintiff on account of lost sales, loss of royalties and loss of convoyed sales, and have unjustly enriched and profited defendants.

#### **COUNT FOUR**

(Against Thorsen, Holdings, Harbor Freight and Does 1-10 for Inducing Patent Infringement of U.S. Patent No. 8,307,742)

- 33. As a cause of action and ground for relief, Plaintiff alleges and incorporates by reference paragraphs 1 through 32 of this complaint as a part of this Count.
- 34. Upon information and belief, Defendants have actively induced infringement of the '742 Patent by importing into the United States hand tools which infringe the '742 Patent and Defendants are accordingly liable as contributory infringers of the Patent pursuant to 35 USC 271 (b).
- 35. Such actions have damaged plaintiff on account of lost sales, loss of royalties and loss of convoyed sales, and have unjustly enriched and profited defendants.

#### PRAYER FOR RELIEF

WHEREFORE, Plaintiff prays for the following relief:

- A judgment that the '638 and '742 Patents are valid and that Defendants have infringed the Patents.
- 2. A permanent injunction enjoining and restraining Defendants, their officers, directors, agents, servants, employees, attorneys, and all others acting under or through them, directly or indirectly from infringing patent rights of the plaintiff;
- 3. A judgment and order requiring Defendants to pay damages, including damages under 35 U.S.C. § 284, with prejudgment interest;
- An order requiring Defendants to recall from its distributors, wholesalers, retailers and customers any product found to infringe the Patent.
- 5. An order requiring Defendants to be required to account to Plaintiff for any and all profits derived by Defendants from the sale of its infringing products and/or a reasonable royalty and for all other damages sustained by Plaintiff by reason of said acts of infringement complained of herein.
- 6. For a judgment according to the circumstances of the case and pursuant to 35 U.S.C § 284 for such sum above the amount found in actual damages, but not to exceed three times such amount as the Court may deem just.
- 7. A judgment and order directing Defendants to pay the costs of this action (including all disbursements) and attorneys' fees pursuant to 35 U.S.C. § 285; and
- 8. Such other and further relief as this Court may deem just and equitable.

Dated:

July 17, 2013

By:

Anthony H. Handal (CT 03837)

Handal & Morofsky Attorneys for Plaintiff 501 Kings Highway East

Fairfield, Connecticut 06825

Tel. 917 880 0811

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#### DEMAND FOR JURY TRIAL

Plaintiff hereby demands a trial by jury of all issues so triable.

Dated:

July 17, 2013

Bv:

Anthony H. Handal (CT03837)

Handal & Morofsky Attorneys for Plaintiff 501 Kings Highway East Fairfield, Connecticut 06825

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# **EXHIBIT A**



US008261638B2

## (12) United States Patent

(10) Patent No.:

US 8,261,638 B2

(45) Date of Patent:

Sep. 11, 2012

#### (54) HAND TOOL ADAPTER

(76) Inventor: Chang Hsuelt-O flsu, Taichung (TW)

(\*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35

U.S.C. 154(b) by 331 days.

(21) Appl. No.: 12/756,864

(22) Filed: Apr. 8, 2010

(65) Prior Publication Data (18 2011/0247464 A1 Oct. 13, 2011

(51) Int. Cl. B25B 13/06 (2006.01) B25B 23/16 (2006.01) B25G 1/10 (2006.01)

(52) U.S. Cl. \_\_\_\_\_\_ 81/124.4; 81/177.2

(58) Field of Classification Search ..... 81/124.4 124.7, 81/125.1, 177.2: 108/29 See application file for complete search history.

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

J20:582	Λ	*	4 1880	Miller 8	1/124.4
D53,507	S	*	7:1919	Majemann	D8/28
10103,579	8	*	3 1937	McNaught	D8:28

4,056,020	A *	11/1977	Coviello	81-177.2
4,727,782	1 .	1-1988	Yang	81 124.4
6,029,547	A *	2.2000	Eggert et al	81-124.6
6,257,107	131 "	7.2001	Chang et al	81-467
6,286,395	131 *	9.2001	Frazier	
6.314.841	131 +	11-2001		81-125 1
6,382,054	131 +	5-2002	Kirk	81 124 4
6,408,723	131 *	6 2002	Zurbochen	81 119
6,962,098	B2+	11 2005	Figeri et al	81-124.6
7,305,907	B2 *	12/2007	Burwell	
2002/0011136	Al*	1-2002	Eggert et al	81 125.1
2004-0099102	Al"	5-2004		81 124 4
2004/0177733	Ale	9-2004	Peters	81 490
2005-0261784	A1 *	11 2005	I (b	623'65
2010/00/1915	A1 e	1/2010		_ 81-60

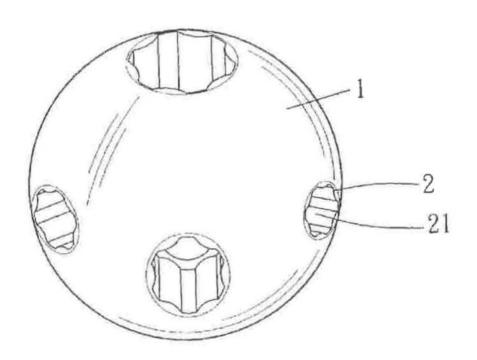
\* cited by examiner

Primary Examiner David B Thomas

#### (57) ABSTRACT

A hand tool adapter of the present invention includes a plastic main body and at least six metaffic sockets. The main body is formed with at least six holes, and the sockets are fixedly received in the holes respectively. Each socket has a non-circular bore whose axial vector is different those of the bores of the other sockets. Further, each bore has a dimension different from those of the other bores.

#### 9 Claims, 9 Drawing Sheets



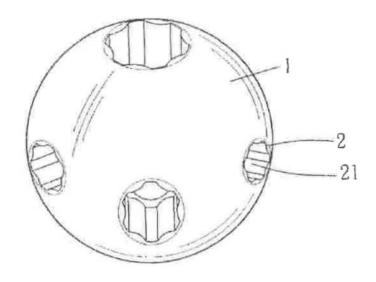


FIG. 1

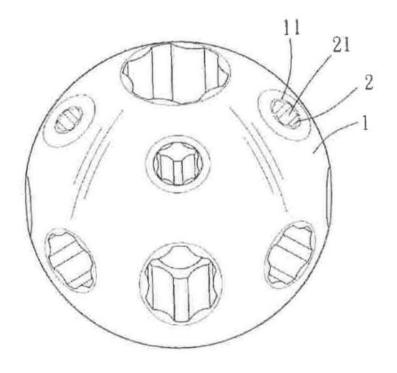


FIG. 2

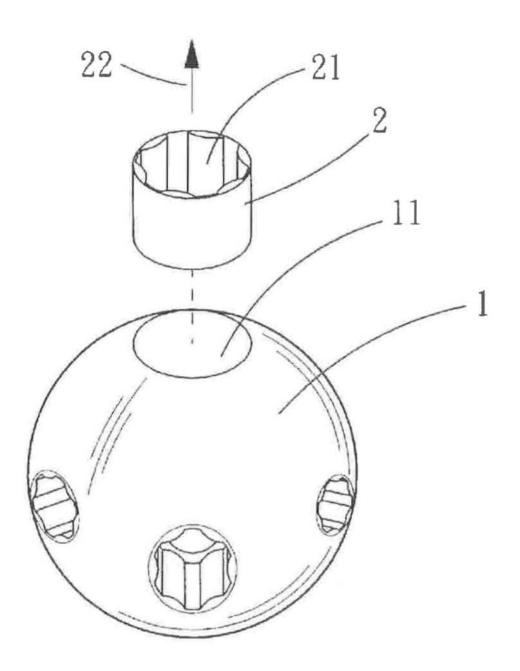
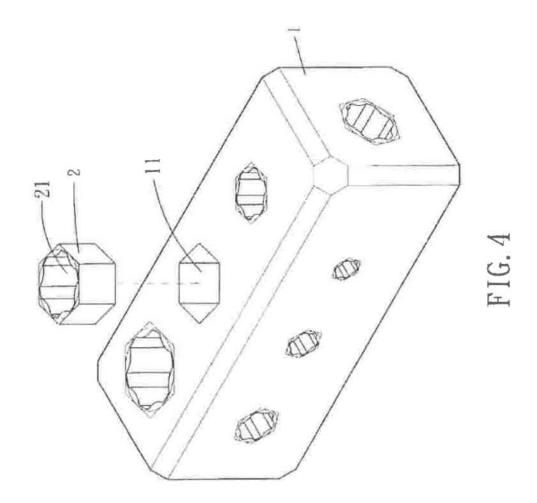


FIG. 3



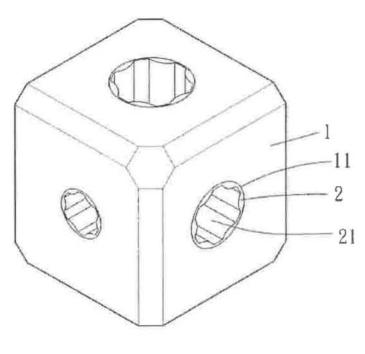


FIG. 5

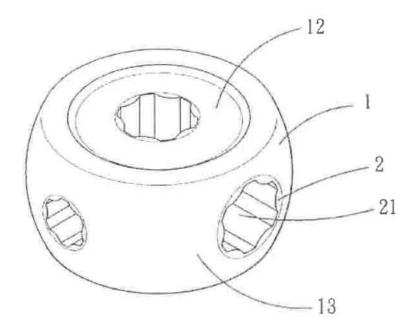
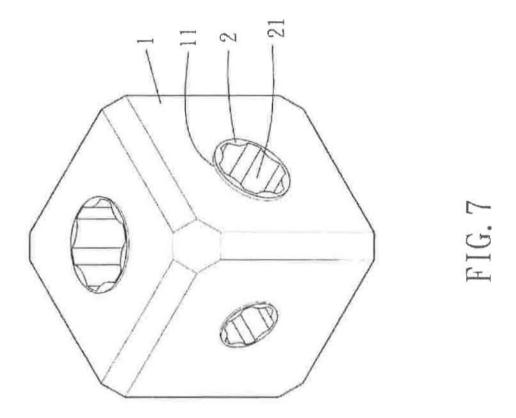


FIG. 6



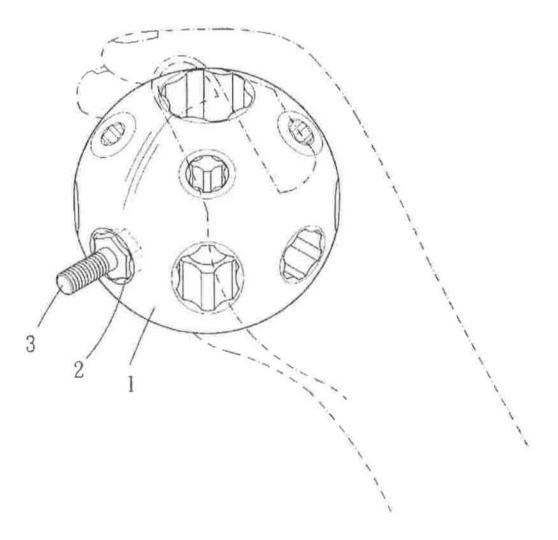
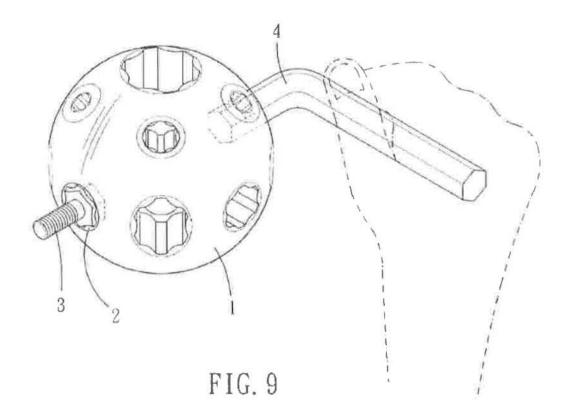
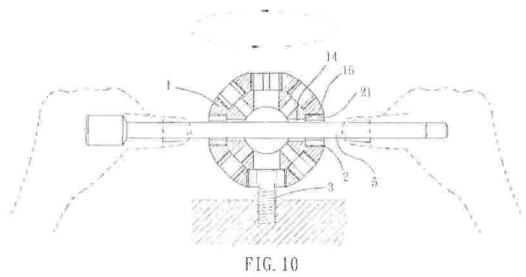


FIG. 8





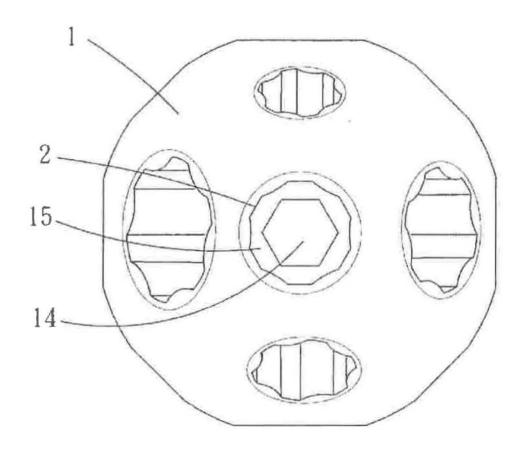


FIG. 11

L Lield of the Invention

The present invention relates to a hand tool adapter.

2 Description of the Prior An

As disclosed in TW M257924 and TW 437519, a conventional hand tool can drive a screw or a unit to rotate for fastening purposes. Another hand tool as disclosed in TW M361408 provides a ratchet mechanism whose axis can be adjusted. However, the driving portion thereof has fixed dimension. Thus it requires several hand tools in order to drive workpieces with different dimensions. Accordingly, adapters are arisen to mitigate such disadvantages. Nevertheless, it still requires several adapters in order to correspond to workpieces with different dimensions.

#### SUMMARY OF THE INVENTION

The main object of the present invention is to provide an <sup>20</sup> adapter which can correspond to workpieces with different dimensions.

to achieve the above and other objects, a hand tool adapter of the present invention includes a plastic main body and at least six metallic sockets. The main body is formed with at 49 least six holes, and the sockets are fixedly received in the holes respectively. Fach socket has a non-circular bore whose axial vector is different those of the bores of the other sockets. Further, each bore has a dimension different from those of the other bores.

The present invention will become more obvious from the following description when taken in connection with the accompanying drawings, which show, for purpose of illustrations only, the preferred embodiment(s) in accordance with the present invention.

#### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a perspective drawing showing an adapter of the present invention;

FIG. 2 is a perspective drawing showing another adapter of the present invention;

FIG. 3 is a breakdown drawing showing an adapter of the present invention:

13G: 4 is a perspective drawing showing yet another 45 adapter of the present invention:

FIG. 5 is a perspective drawing showing yet another adapter of the present invention;

FIG. 6 is a perspective drawing showing yet another adapter of the present invention:

FIG. 7 is a perspective drawing showing yet another

adapter of the present invention: FIG. 8 is a drawing showing a user using an adapter of the

present invention: FIG. 9 is a drawing showing a user using an adapter of the 55

present invention: FIG 10 is a drawing showing a user using an adapter of the present invention:

FIG. 11 is a drawing showing an adapter with a noncircular through hole of the present invention.

#### DITAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please refer to FIG. 1 and FIG. 2. A hand tool adapter of the 63 present invention includes a main body 1 and six or more than six sockets 2

Please refer to FIG. 3. The main body 1 is made from plastic, and preferably from glass-fiber-reinforced plastic. The main body 1 is formed with at least six holes 11. The cross sections of the holes 11 may be rounded or non-circular, e.g. hexagonal as shown in FIG. 4. The main body 1 itself may be ball-shaped, cuboid or cubic as shown in FIG. 5. Thus the main body 1 has six surfaces, each of which is formed with at least one hole 11. As shown in FIG. 6, the main body 1 may also be a cylinder and thus has a top surface 12, a bottom surface and an annular side surface 13. The top surface 12 is formed with another hole, and the side surface 13 is formed with the other four holes.

The sockets 2 are made of metallic material to have better mechanical strength. Each socket 2 has a contour corresponding to the cross section of its corresponding hole 11 so that the socket 2 can be fixedly received therein. Each socket 2 defines a non-circular bore 21, which has an axial vector 22 going from the inside of the main body 1 toward the outside of the main hody 1. The axial vectors 22 of the bores 21 are different from one another. Furthermore, each bore 21 has a dimension different from those of the other bores 21. In the present embodiment, every two opposite bores 21 are coaxial. The sockets 2 may flush with their corresponding surfaces of the main body 1, or they may also be slightly protrusive from the surfaces as shown in FIG. 7, i.e. each hole has a depth smaller than an axial length of its corresponding socket.

Please refer to FIG. 8. The adapter can be directly used to drive a seriew 3 or the like. More specifically, the seriew 3 is engaged with one of the sockets 2, and the user turns the main body 1 with his/her bare hand so that the seriew 3 can be turned simultaneously. Please refer to FIG. 9. Another hand tool 4 can be used to connect to another socket, thus the user can drive the main body 1 to rotate with the hand tool 4.

Please refer to FIG. 10. The main body I has at least one through hole 14 connecting two opposite coaxial holes, and then the through hole 14 can communicate with the bores 21 of the sockets 2 received in the two opposite holes. Further, the through hole 14 may have a non-circular cross section as shown in FIG. 11. As such, a rod 5 can be used to insert through the through hole 14 and to drive the main body 1 to notate. Preferably, a dimension of the through hole 14 is smaller than those of the bores 21 of the sockets received in the two opposite holes, so that two step portions 15 are formed between the through hole 14 and the two bores 21. As such, the workpiece 3 received in the bore 21 will not fall into the through hole 14. It is noted that the adapter of the present invention has several sockets for the user to choose from, so as to correspond to workpieces with different dimensions. Furso ther, the user can use the adapter to drive the workpiece bare-handedly or with the help of a hand tool, as disclosed hereinabove,

What is claimed is:

 A hand tool adapter, comprising a plastic main body, being formed with at least six holes;

at least six metallic sockets, each of which is fixedly received in one of the holes respectively, each socket defining a non-circular bore, each bore having an axial vector, the axial vectors of the bores being different from one another, each bore having a dimension different from those of the other bores, every two opposite bores being conxial.

wherein the main body has at least one through hole connecting two opposite holes, the through hole communicates with the bores of the sockets received in the two opposite holes.

- 2 The adapter of claim 1, wherein a dimension of the through hole is smaller than those of the bores of the sockets received in the two opposite holes.
- 3. The adapter of claim 2, wherein the through hole has a non-eircular cross section.
- 4. The adapter of claim 1, wherein the main body is made from glass-fiber-reinforced plastic.
- 5. The adapter of claim 1, wherein the main body has a top surface, a bottom surface and an annular side surface, the top surface is formed with one of the holes, the bottom surface is 10 smaller than an axial length of its corresponding socket. formed with another hole, the side surface is formed with the other holes.
- 6 The adapter of claim 1, wherein the main body is ball-
- 7. The adapter of claim 1, wherein the main body has at least six surfaces, each of which is formed with one of the 5 holes respectively.
  - 8 The adapter of claim 1, wherein a cross section of each hole is non-circular, each socket has a contour corresponding to the cross section of its corresponding hole.
  - 9. The adapter of claim 1, wherein each hole has a depth

# **EXHIBIT B**



#### Tommy & Jason International Intellectual Property Rights Co., Ltd

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#### US HOLDINGS CORPORATION

3406 LOVERS LANE DALLAS, TX 75225 USA

#### THORSEN TOOL Co.

Attn: Customer Service 1932 S. Lynx Avenue Ontario, CA 91761

USA

Email: sales@thorsentoolco.com

#### STEVEN M. NAKASONE

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Our Ref.: GFL01593

U.S. Patent No. 8,261,638 & U.S. Patent No. 8,307,742 Owned by Ms. Chang

Hsueh-O Hsu

#### VIA EMAIL ONLY

January 21, 2013

Dear Sirs,

We are representing Ms. Chang Hsueh-O Hsu of No.152, Nanbei 8th Rd., Da'an Dist., Taichung City 439, Taiwan (R.O.C.) in matters relating to intellectual property.

Ms. Hsu is the owner of US Patent No. 8,261,638 and US Patent No. 8,307,742 (see Enclosures I and II). With a copy of the patents attached showing the relevant details, we would like to draw your attention on the patents of HAND



Tommy & Jason International Intellectual Property Rights Co., Ltd

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TOOL ADAPTER in force since 2010. With the two patents, Ms. Hsu holds the exclusive rights in manufacturing and selling the specific innovative hand tool adapters.

Due to the immense damage caused by patent-infringing products, Ms. Hsu instructed us to conduct a thorough search on the market, and to further commence appropriate legal actions against the infringers if no better settlements sought. Thereafter, it has come to our attention that your company is manufacturing and/ or wholesaling products named "Puck Wrench" that bear the "THORSEN" trademark, which Ms. Hsu considers an infringement of her rights in the patented inventions mentioned above (see Enclosure III and IV for the photo of "Puck Wrench" and the relevant webpage excerpt). Moreover, based on our preliminary inspection, the structure of the "Puck Wrench" you manufacture and/ or wholesale is highly similar to the features disclosed in the patents in question.

The development of innovative products typically comes at a substantial price, which is often reflected in the intellectual property held by the patent owners. In recognition of this fact, our client respects the intellectual property rights of others. At the same time, our client expects her competitors to respect her intellectual property rights as well. Please review the US patents attached and kindly note that Ms. Hsu strives in every effort to protect her intellectual property at all costs.

With the patent rights entitled, we ask that you satisfy the following requests:

- 1. stop manufacturing and/ or selling the infringing "Puck Wrench";
- recall the infringing "Puck Wrench" you already wholesaled to other customers and purchasers;
- disclose all relevant information of the supplier/ manufacturer of the infringing products; and
- 4. render relevant sales information, e.g. the sales volume, unit price while



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imported, and unit price for sale.

Please respond to this letter within 14 days upon receipt. Should we receive no genuine responses in 14 days, we will of no doubt take legal actions against your company without further notice.

Sincerely yours,

Benjamin SU

Tommy and Jason Int'l IP Rights Co., Ltd.

Enclosure I: a copy of U.S. Patent No. 8,261,638

Enclosure II: a copy of U.S. Patent No. 8,307,742 Enclosure III: a photo of "Puck Wrench"

Enclosure IV: a webpage excerpt of the THORSEN 12PC PUCK WRENCH

SET offered online

# **EXHIBIT C**



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Email: info@HarborFreight.com

Our Ref.: GFL01595

U.S. Patent No. 8,261,638 & U.S. Patent No. 8,307,742 Owned by Ms. Chang

Hsueh-O Hsu

VIA EMAIL ONLY

January 21, 2013

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Dear Sirs,

We are representing Ms. Chang Hsueh-O Hsu of No.152, Nanbei 8th Rd., Da'an Dist., Taichung City 439, Taiwan (R.O.C.) in matters relating to intellectual property.

Ms. Hsu is the owner of US Patent No. 8,261,638 and US Patent No. 8,307,742 (see Enclosures I and II). With a copy of the patents attached showing the relevant details, we would like to draw your attention on the patents of HAND TOOL ADAPTER in force since 2010. With the two patents, Ms. Hsu holds the exclusive rights in manufacturing and selling the specific innovative hand tool adapters.

Due to the immense damage caused by patent-infringing products, Ms. Hsu instructed us to conduct a thorough search on the market, and to further commence appropriate legal actions against the infringers if no better settlements sought. Thereafter, it has come to our attention that your company is manufacturing and/ or wholesaling products named "Universal Grip Wrench" (Pittsburgh - Item#60435), which Ms. Hsu considers an infringement of her rights in the patented inventions mentioned above (see Enclosure III for the relevant webpage excerpts). Moreover, based on our preliminary inspection, the structure of the "Universal Grip Wrench" you manufacture and/ or wholesale is highly similar to the features disclosed in the patents in question.



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The development of innovative products typically comes at a substantial price, which is often reflected in the intellectual property held by the patent owners. In recognition of this fact, our client respects the intellectual property rights of others. At the same time, our client expects her competitors to respect her intellectual property rights as well. Please review the US patents attached and kindly note that Ms. Hsu strives in every effort to protect her intellectual property at all costs.

With the patent rights entitled, we ask that you satisfy the following requests:

- 1. stop manufacturing and/ or selling the infringing "Universal Grip Wrench";
- recall the infringing "Universal Grip Wrench" you already wholesaled to other customers and purchasers;
- disclose all relevant information of the supplier/ manufacturer of the infringing products; and
- render relevant sales information, e.g. the sales volume, unit price while imported, and unit price for sale.

Please respond to this letter within 14 days upon receipt. Should we receive no genuine responses in 14 days, we will of no doubt take legal actions against your company without further notice.

Sincerely yours,

Benjamin SU

Tommy and Jason Int'l IP Rights Co., Ltd.

Enclosure I: a copy of U.S. Patent No. 8,261,638

Enclosure II: a copy of U.S. Patent No. 8,307,742

Enclosure III: webpage excerpts of the Universal Grip Wrench offered online

# **EXHIBIT D**



# **EXHIBIT E**

#### Call to Order 1-800-423-2567

ACCESSORIES YOU NEED

u" Dicital Caliper



Universal Grip Wrench

Mitsburgh = Nemw80435

Be The First To Write A Review

Only: 620.00 Sale: \$19.99

Only: \$9,99

Sale: \$4.99

ADD TO CART

Werklight/Flashfight 27 Let Portable

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3-1/2" 9 LED Mini Elachtight

Only: 88.99 Sale: \$1.99

63

Product Dverview

Double click on above image to view full picture.

Customer Reviews

Description

Cet 14 socket wrenches in the palm of your hand. This Universal Grip Wrench packs a lot of function into a small space, ideal for reaching hard-to-get fasteners.

- . Splined sockets work with standard hex, Tork, square head (asteners as well as cup hooks and odd shapes
- Rogged stabiliess steel manie
- · Cushioned rubber grip

#### Specifications

Name

Universal Grip Wrench

SKU

60435

Brand

Musburth

Material

Stainless Steet, Rubber

Number of pieces included

Points

8, 12

SAE in Messic

Metric and BAE

Product Weight

0.39 lbs

Sizors)

SAE: 9/18 in , 3/8 in , 7/16 in , 1/2 in , 9/18 in , 5/8 in , 11/18 in Metels\* Emm, 10mm,11mm,13mm,14mm,14mm,17mm

Warranty

Librime

# **EXHIBIT F**



US008307742B2

## (12) United States Patent

(10) Patent No.:

US 8,307,742 B2

(45) Date of Patent:

Nov. 13, 2012

(54)	HAND TO	OOL ADAPTER			
(76)	Inventor: Chang Hsueli-O Hsu, Taichung (TW)				
( * )	Notice.	Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 240 days.			
(21)	Appl. No.	12/948,464			
(22)	Filed:	Nov. 17, 2010			
(65)		Prior Publication Data			
	US 2011/0	0179914 A1 Jul. 28, 2011			
	Re	lated U.S. Application Data			
(63)	Continuation-in-part of application No. 12/756,864, filed on Apr. 8, 2010, now Pat. No. 8,261,638.				
(30)	Foreign Application Priority Data				
Ja	m. 26, 2010	(TW) 99102210 A			
(51)	Int. Cl.	DV PARSONINI			

(51)	Int. Cl.	
	B25B 13/06	(2006.01)
	B25B 23/16	(2006.01)
	B25G 1/10	(2006.01)

(52) U.S. CL. Farman, 81/124.4; 81/124.3; 81/177.2

(58) Field of Classification Search ...... 81/124/3 124/7. 81/125/1. 177/2. 177/4, 177/5, 3/4/3/41: 279/143: 108/29

See application file for complete search history.

#### (56) References Cited

#### U.S. PATENT DOCUMENTS

226 582 A	*	4-1880	Miller	81 1244
1153,507 8	*	7.1919	Marcmann	

1,930,238	A	10/1933	Deller	81 (24.4)
D103,579		3 1937	McNaught	
4,056,020	AR	11 1977	Coviello	
4,727,782	1 =	3/1988	Yang	81 124-1
6,0,20,547	1 =	2 2000	liggert et al.	81 124.6
6,257,107	151 "	7 2001	Chang et al.	81-467
6,286,395	131 =	9.2001	Frazier	X1:60
6.314.841	141 "	11 2001	Burk et al	81 175 1
6.382.054	13.1	5-2002	Kuk	
6,408,723	B1 "	6.2002	Zurbuchen	X1 119
6.062.098	B3 "	11/2005	liggert et al.	81 124 6
7,305,907	137 5	12 2007	Burwell	81 60
2002/0011136	Als	1.2002	Liggert et al	81 125 1
2004/00/20102	A1=	5.2004	Vaughan	81 124 4
2004/0177733	110	9.2004	Peters	81:490
2005 0261784	115	11 2005	lith	623 65
2010/0011915	$\Lambda 1^{\pm}$	1.3010	Badger	81.60

#### FOREIGN PATENT DOCUMENTS

IW	437519	5 2001
TW	14257024	3 2005
137	11361408	7 2000

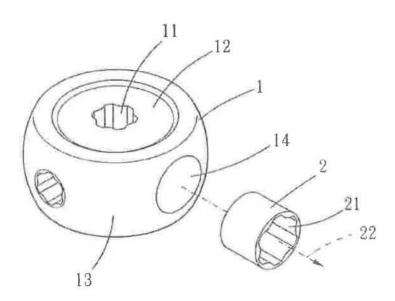
<sup>\*</sup> cited by examiner

Primary Examiner David B Thomas (74) Interney, Agent or Firm Muncy, Geissler Olds & Lowe, PLLC

#### (57) ABSTRACT

A hand tool adapter of the present invention includes a wheel shaped main body and at least four sockets. The main body has a top surface, a bottom surface and a peripheral surface. The sockets are firmly disposed in the main body, locating annularly on the peripheral surface. Each socket has a non-circular bore. The main body is formed with no hole which has a dimension larger than the dimension of the largest bore. As such, the structure of the adapter is strengthened.

#### 14 Claims, 3 Drawing Sheets



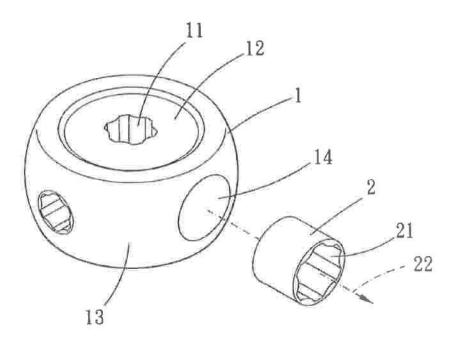


FIG. 1

Nov. 13, 2012

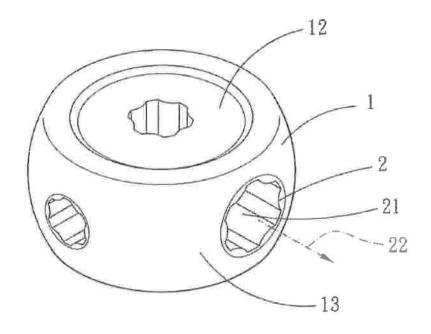


FIG. 2

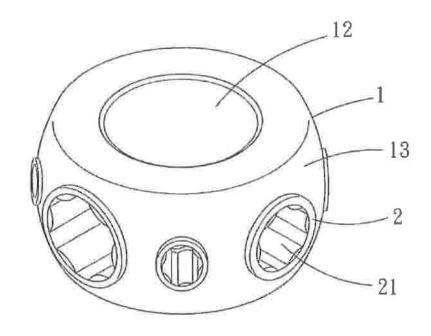


FIG. 3

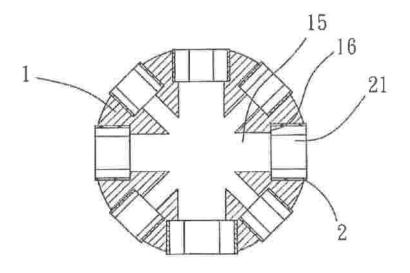
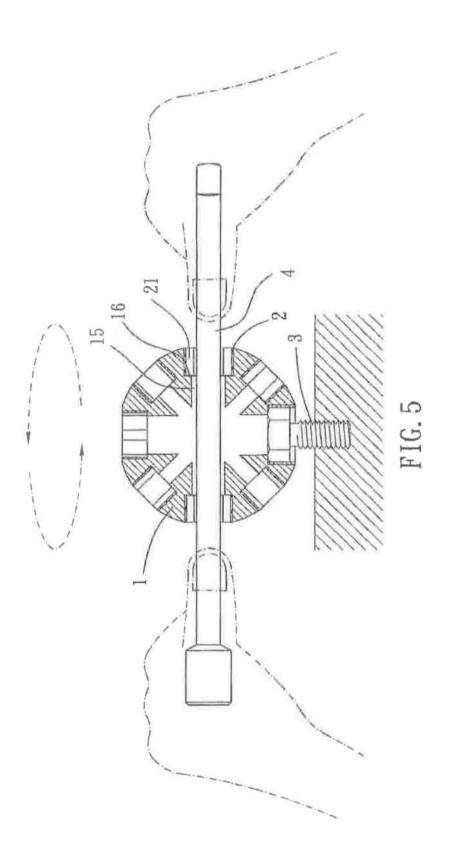


FIG. 4



The application is a Continuation-In-Part of prior application Ser. No. 12/756.864 filed Apr. 8, 2010, now U.S. Pat. No.

FIG. 3 is a perspective drawing showing another adapter of the present invention: FIG. 4 is a profile showing another adopter of the present

8,261,638, the entire contents of which are hereby incorpo-FIG. 5 is a drawing showing a user using an adapter of the present invention.

#### BACKGROUND OF THE INVENTION

L. Field of the Invention

rated by reference:

2. Description of the Prior Art

As disclosed in TW M257924 and TW 437519, a conventional hand tool can drive a serew or a nut to rotate for fastening purposes. Another hand tool as disclosed in TW M361408 provides a ratchet mechanism whose axis can be 13 adjusted. However, the driving portion thereof has fixed dimension. Thus it requires several hand tools in order to drive workpieces with different dimensions. Accordingly, adapters are arisen to mitigate such disadvantages. Nevertheworkpieces with different dimensions.

To fit with workpieces with different dimensions, U.S. Pat. No. 6,382,054 discloses a wrench. However, the wrench meets some problems in durability and practicability. As the openings are formed larger in size, the thickness of the 25 wrench between two adjacent openings is going smaller. As a result, the mechanical strength of the wrench is weakened. Besides, the openings penetrate from that surfaces to the cylindrical opening. When the wrench is put on a rait, the nut will probably tall into the cylindrical opening.

#### SUMMARY OF THE INVENTION

The main object of the present invention is to provide a durable and practical adapter which can correspond to work- 35 pieces with different dimensions.

to achieve the above and other objects, a hand tool adapter of the present invention includes a wheel shaped main body and at least four sockets.

The main body has a top surface, a bottom surface and a 40 permueral surface

Each socket is firmly disposed in the main body. The sockets are annularly located on the peripheral surface. Each socket defines a non-circular bore. Each non-circular bore has an axial vector. The axial vectors of the non-circular bores are 45 different from one another. Fach non-circular bore has a dimension different from those of the other non-circular

In some cases, a through hole is defined by the main body, The through hole penetrates from the top surface to the bottom surface. A dimension of the through hole is not larger than that of the non-circular bore whose dimension is larger than those of the other non-circle bores

In some cases, the top surface and the bottom surface are solid surfaces.

The present invention will become more obvious from the following description when taken in connection with the accompanying drawings, which show, for purpose of illustrations only, the preferred embodiment(s) in accordance with the present invention.

#### BRIEF DESCRIPTION OF THE DRAWINGS

FIG. I is a breakdown drawing showing an adapter of the present invention:

FIG. 2 is a perspective drawing showing an adapter of the present invention:

#### DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Please refer to FIG. 1 and FIG. 2. A hand tool adapter of the present invention includes a main body 1 and four or more than four sockets 2.

The main body I is partially or totally made from plastic or from other noumetablic material so as to reduce the weight of the hand tool adapter. Preferably, the main body 1 is made from glass-liber-reinforced plastic. The main body I is wheel-shaped, so the main body has a top surface 12, a bottom surface and a peripheral surface 13 between the top surface 12 less, it still requires several adapters in order to correspond to 20 and the bottom surface. A through hole 11 is defined by the main body. The through hole 11 penetrates from the top surface 12 to the bottom surface. Preferably, the through hole 11 has a non-circular cross section. Further, the main body I may be formed with four or more than four holes 14. The holes are annufarly located on the peripheral surface 12. The cross sections of the holes 14 may be rounded or non-circular. e.g. bexagonal. The peripheral surface 12 has a circular contour. In other possible embodiments of the present invention. the periphery surface 12 may have a polygonal contour

> The sockets 2 may be made from metallic material to obtain better mechanical strength. Fach socket 2 has a contour corresponding to the cross section of its corresponding hole 14 so that the socket 2 can be fixedly received therein. linch socket 2 defines a non-circular bore 21, which has an axial vector 22 going from the inside of the main body 1 toward the outside of the main body 1. The axial vectors 22 of the bores 21 are different from one another. Furthermore, each hore 21 has a dimension different from those of the other bores 21. A dimension of the through hole 11 is not larger than that of the bore 21 whose dimension is larger than those of the other non-circle hores. In other words, at least one of the hores 21 has a dimension equal to or larger than the dimension of the through hole 11. In the present embodiment, every two apposite bores 21 are coaxial.

Accordingly, the adapter can be directly used to drive a serew or the like. More specifically, the screw is engaged with one of the sockets. Users can grab and turn the adapter in one hand so as to tighten or loosen the screw. In addition, a rod can be used to insert through the through hole 11. Users can drive so the adapter to rotate with the rod.

According to the embodiments above, the dimension of the through hole 11 is not larger than the dimension of at least one of the bores 21. The top surface and the bottom surface are capable to support whole structure of the adapter. As such, 55 mechanical strength of the adapter is strengthened

In other possible embodiments of the present invention, the sockets and the through hole may be formed on one metal sing to obtain greater mechanical strength. Furthermore, the metal slug is partially covered by nonmetallic material so as to 500 produce the adapter. In other words, the main body may be made from the metal slug and nonmetallic material. In manufacturing, nonmetallic material can be fixed on the metal slug by injection molding, by bonding, by fusing or by fabricating,

Please refer to FIG. 3 to FIG. 5. In another embodiment of the present invention, the adapter has eight sockets 2. The top. surface 12 and the bottom surface are solid surfaces. Solid surface is a substantial surface which is formed with no hole.

As such, mechanical strength of the adapter is further strengthened. The main body I may have one or more connecting hole(s) 15 communicating with two opposite coaxial bores 21. Further, the connecting hole 15 may have a noncircular cross section. Preferably, a dimension of the connecting hole 15 is smaller than those of the boxes 21 of the sockets, so that two step portions 16 are formed between the connecting hole 15 and the two bores 21. As such, the workpiece 3 received in the bore 21 will not fall into the adapter, more specifically into the connecting hole 15. Though the main 10 body may have no through hole on the top surface and the bottom surface, a rod 4 can be used to insert through the connecting hole 15 and to drive the main body I to rotate. It is noted that the adapter of the present invention has several sockets 2 for users to choose from, so as to correspond to 15 workpieces with different dimensions. Further, the user can use the adapter to drive the workpiece bare-handedly or with the help of a rod, as disclosed hereinabove.

#### What is claimed is:

- L. A hand tool adapter, comprising:
- a wheel shaped main body, having a top surface, a bottom surface and a peripheral surface, a through hole being defined by the main body, the through hole penetrating from the top surface to the bottom surface;
- at least four sockets, each of which is firmly disposed in the main body. the sockets being annularly located on the peripheral surface, each socket defining a non-circular bore, each non-circular bore having an axial vector, the axial vectors of the non-circular bores being different from one another, each non-circular bore having a dimension different from those of the other non-circular bores.
- wherein a dimension of the through hole is not larger than that of the non-circular bore whose dimension is larger than those of the other non-circle bores.
- 2. The adapter of claim 1, wherein the sockets are formed on a metal slug, the through hole is formed on the metal slug, the metal slug is partially covered by nonmetallic material so as to produce the adapter.

 The adapter of claim 1, wherein the main body is partially made from glass-fiber-reinforced plastic, the sockets are made form metallic material.

 The adapter of claim 1, wherein every two opposite non-circular bores are coaxial.

- The adapter of claim 4, wherein the main body has at least one connecting hole communicating with two opposite non-circular bores.
- The adapter of claim 5, wherein a dimension of the connecting hole is smaller than those of the opposite noncircular bores.
- The adapter of claim 1, wherein the peripheral surface has a circular contour.
  - 8 A hand tool adapter, comprising:
  - a wheel shaped main body, having a solid top surface, a solid bottom surface and a peripheral surface;
  - at least four sockets, each of which is firmly disposed in the main body, the sockets being annularly located on the peripheral surface, each socket defining a non-circular bore, each non-circular bore having an axial vector, the axial vectors of the non-circular bores being different from one another, each non-circular bore having a dimension different from those of the other non-circular bores.
- The adapter of claim 8, wherein the sockets are formed
   on a metal slug, the metal slug is partially covered by non-metallic material so as to produce the adapter
  - The adapter of claim 8, wherein the main body is partially made from glass-fiber-reinforced plastic, the sockets are made form metal
  - 11. The adapter of claim 8, wherein every two appesite non-circular bores are coaxial.
  - 12. The adapter of claim 11, wherein the main body has at least one connecting hole communicating with two opposite non-circular bores.
  - The adapter of claim 12, wherein a dimension of the connecting hole is smaller than those of the opposite noncircular bores.
  - 14. The adapter of claim 8, wherein the peripheral surface has a circular contour.

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