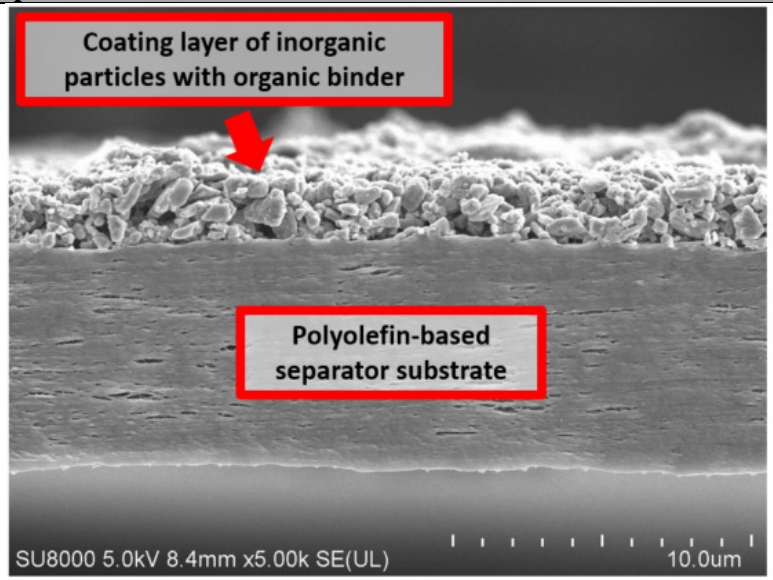
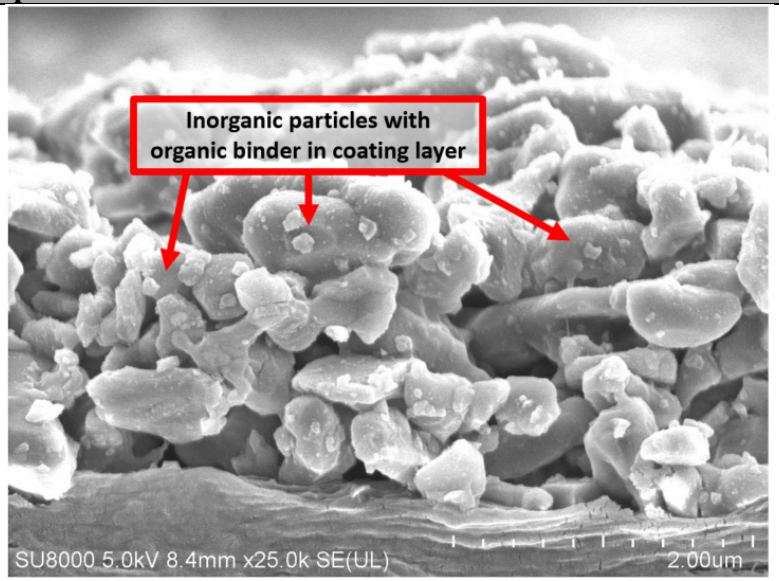
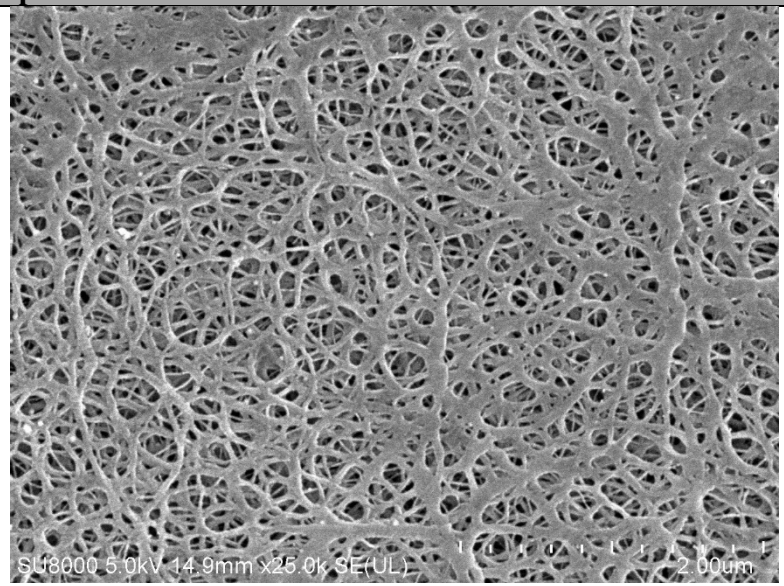
Exhibit 18

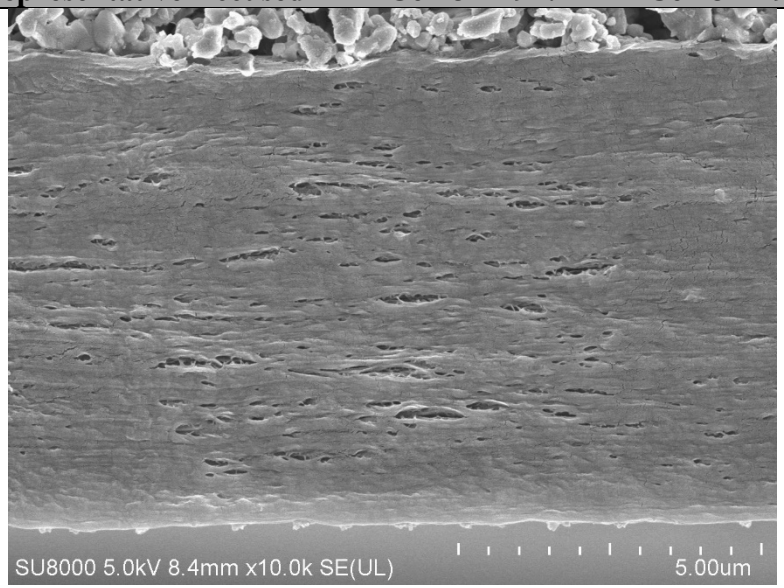
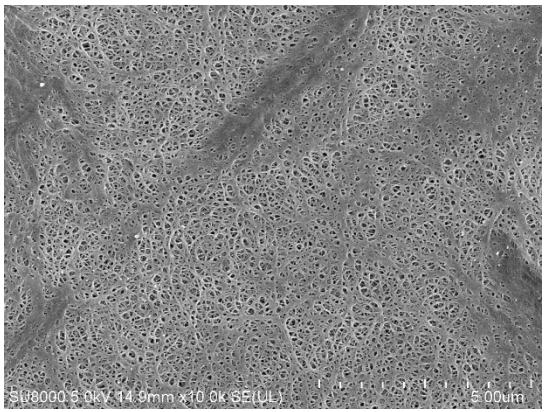
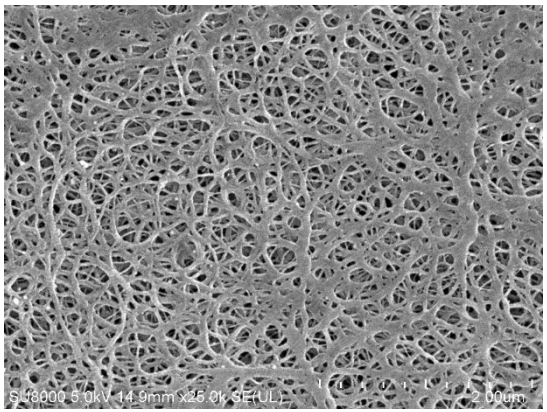
Exemplary Infringement Claim Chart for U.S. Pat. No. 7,709,152 – ATL Cell 844297

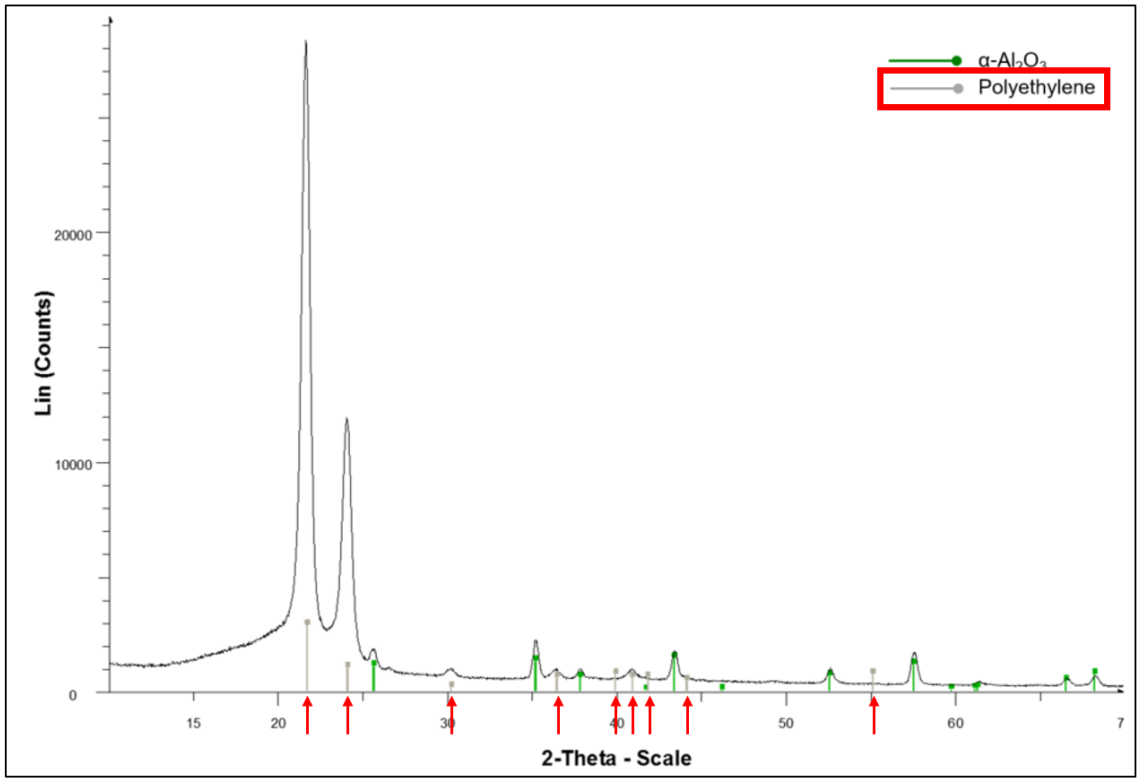
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
[1pre] An organic/inorganic composite separator, comprising:	Representative accused products include, but are not limited to, ATL Cell 844297:  Photograph of ATL Cell 844297. Each cell includes an organic/inorganic composite separator. For example, as shown in the SEM image below, the ATL Cell 844297 includes a composite separator having a coating layer and a polyolefin-based separator substrate:

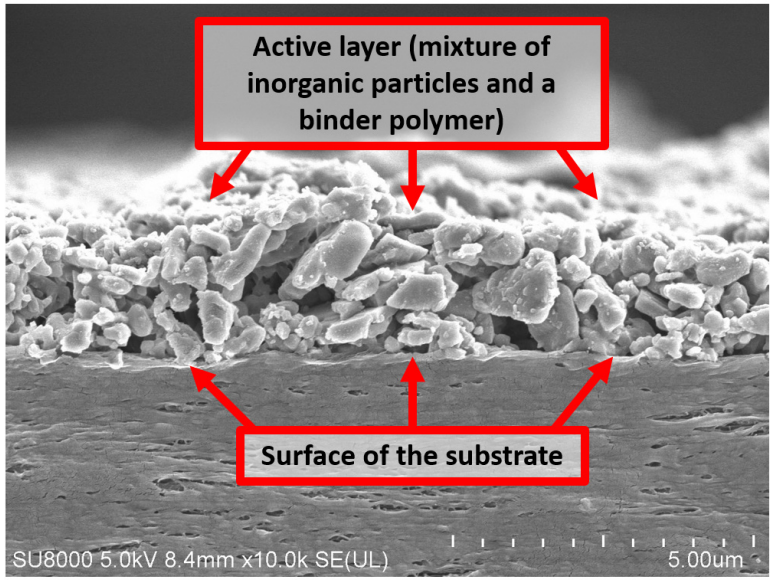
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 Cross-section SEM image at x5k. The coating layer, which is made up of inorganic particles and organic binders, is porous:

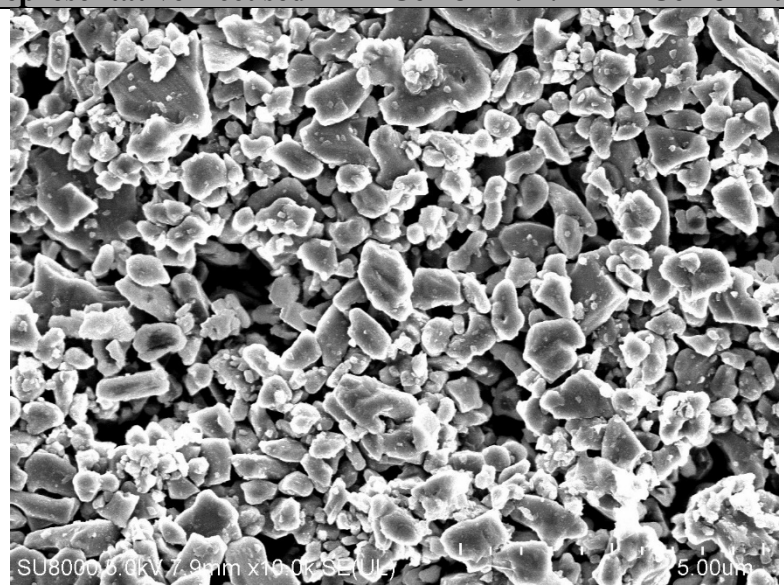
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 Cross-section SEM image at x25k. The polyolefin-based substrate is also porous:

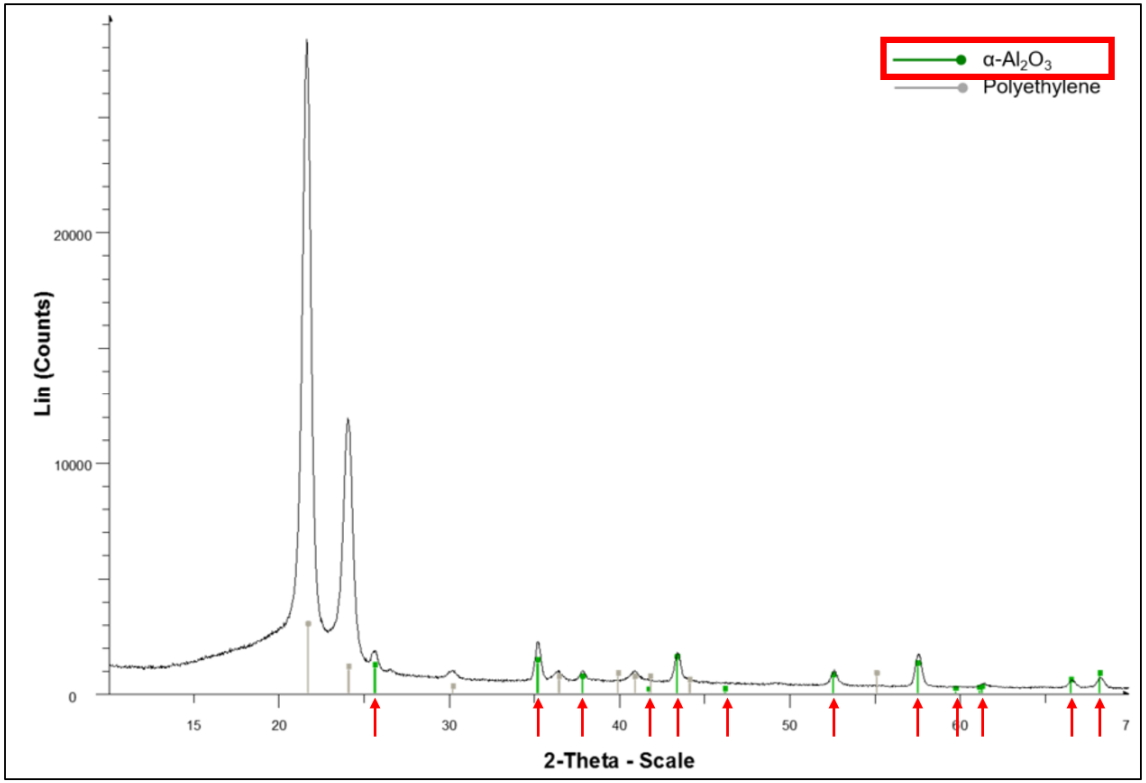
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 Plan-view SEM image at x25k.
[1a] (a) a polyolefin porous substrate having pores; and	Each ATL Cell 844297 includes a polyolefin porous substrate having pores. A cross-sectional view of the polyolefin porous substrate having pores can be seen below:

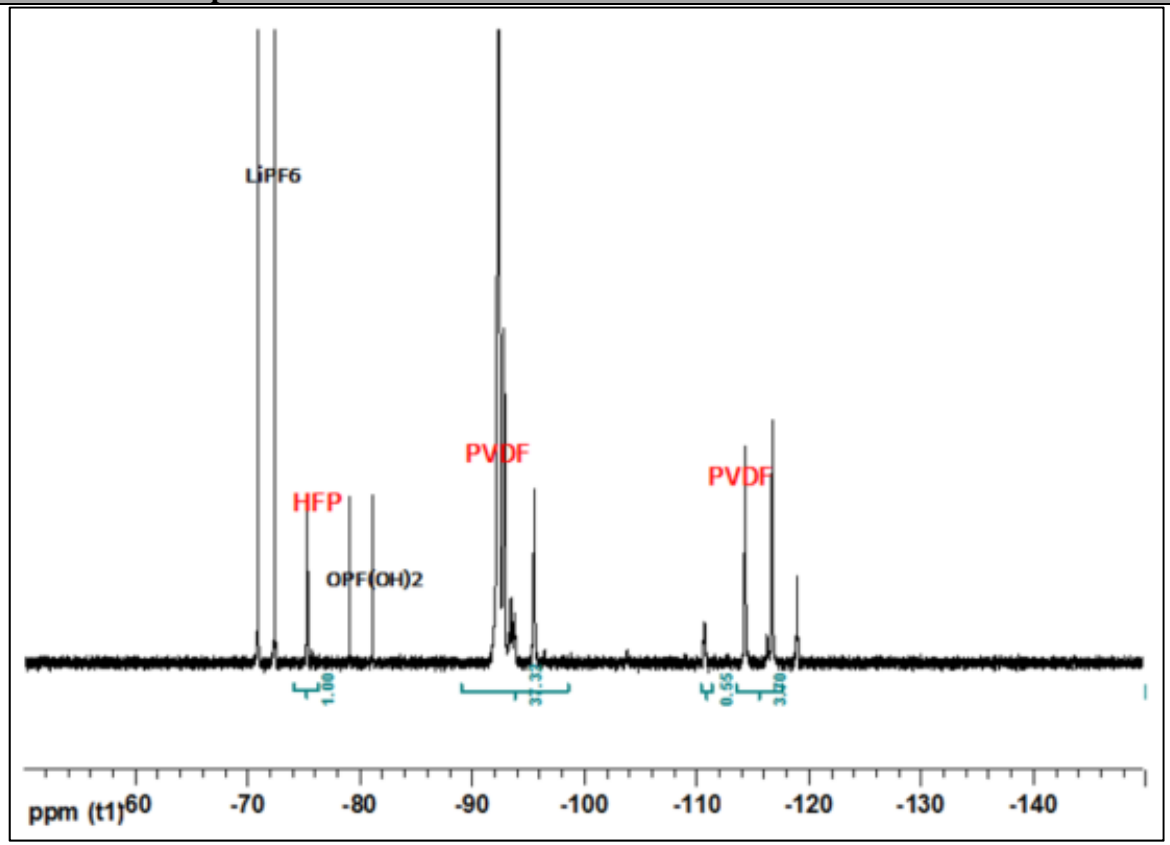
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 Cross-section SEM image at x10k. Plan views of the polyolefin porous substrate having pores can be seen below:   Plan-view SEM images at x10k and x25k, respectively.

Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	As demonstrated by XRD results shown below, the composite porous separator includes α-Al_2O_3 and polyethylene:  XRD analysis of composite porous separator. In the XRD results above, ***polyethylene*** corresponds to material in the polyolefin porous substrate of the accused ATL Cell 844297. Polyethylene is a type of polyolefin.
[1b] (b) a porous active layer containing a mixture of inorganic particles and a	Each ATL Cell 844297 includes a porous active layer containing a mixture of inorganic particles and a binder polymer, with which at least one surface of the polyolefin porous substrate is coated.

Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
binder polymer, with which at least one surface of the polyolefin porous substrate is coated,	For example, as shown in the SEM image below, the surface of the substrate (i.e., polyolefin porous substrate) is coated with an active layer that includes a mixture of inorganic particles and a binder polymer:  Cross-section SEM image at x10k. The mixture of inorganic particles and binder polymer that makes up the porous active layer can be further seen in the SEM image below:

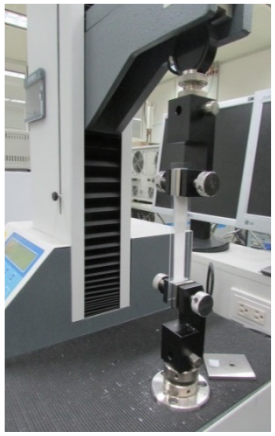
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 Plan-view SEM image at x10k. As demonstrated by XRD results shown below, the porous active layer includes inorganic particles including at least α-Al_2O_3 (aluminum oxide):

Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 XRD analysis of composite porous separator. As shown below, F-NMR analysis of the binder material in the porous active layer shows components corresponding to at least PVDF-HFP (polyvinylidene fluoride-co-hexafluoropropylene):

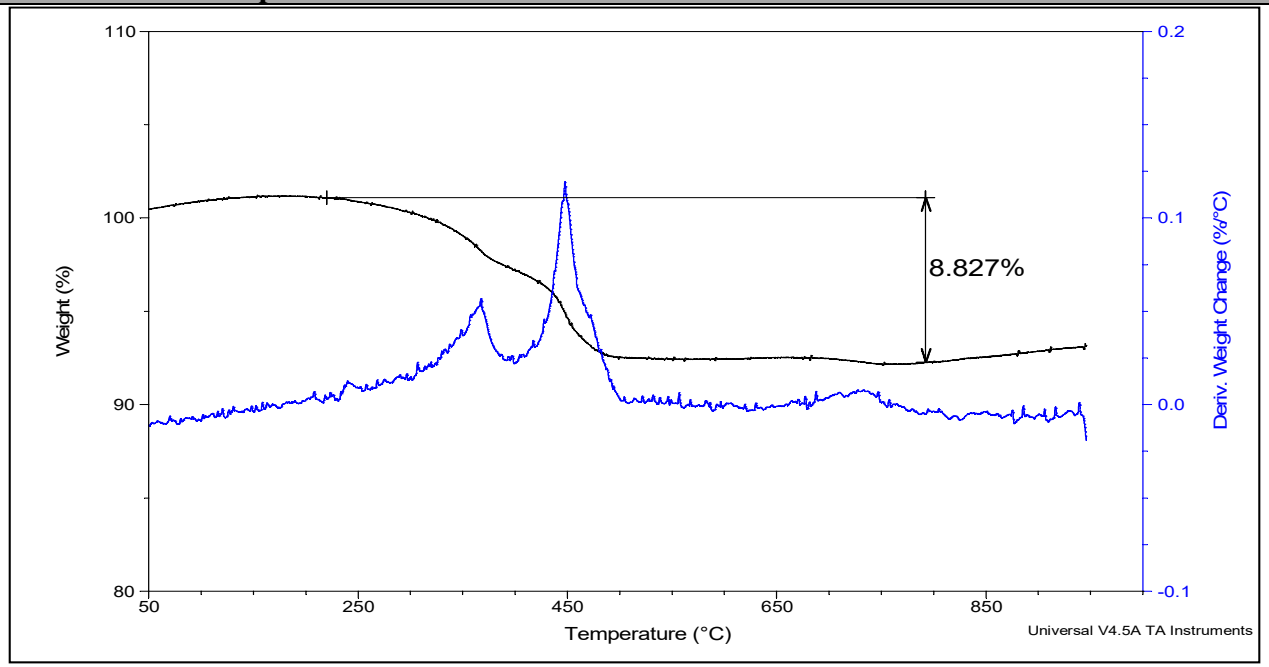
Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 F-NMR analysis of binder material.
[1c] wherein the porous active layer has a peeling force of 5 gf/cm or above, and a thermal shrinkage of the separator after being left alone at 150° C for 1 hour is	Each ATL Cell 844297 includes a composite separator wherein the porous active layer has a peeling force of 5 gf/cm or above, and a thermal shrinkage of the separator after being left alone at 150° C for 1 hour is 50% or below in a machine direction (MD) or in a transverse direction (TD).

<table>
<tr><th>Claim 1</th><th>Representative Accused ATL Cell 844297: ATL Cell 844297</th></tr>
<tr><td>50% or below in a machine direction (MD) or in a transverse direction (TD),</td><td>For example, as shown below, sample testing results performed on the composite separator indicate: i) peeling force above 5 gf/cm, ii) MD shrinkage below 50%, and iii) TD shrinkage below 50%.

<table>
<tr><td colspan="3"></td><td>Median Value</td><td>Standard Deviation</td></tr>
<tr><td colspan="3">Peel (gf/10mm)</td><td>13</td><td>1.0</td></tr>
<tr><td rowspan="2">Heat shrinkage (%)</td><td rowspan="2">150℃ 60min</td><td>MD</td><td>30</td><td>3.8</td></tr>
<tr><td>TD</td><td>39</td><td>6.4</td></tr>
</table>

Testing was performed according to the ’152 patent using the following equipment:
  
Testing equipment used to measure peeling force (left) and thermal shrinkage (right).</td></tr>
<tr><td>[1d] wherein the inorganic particles and the binder polymer are mixed in a weight ratio of 50:50 to 99:1.</td><td>Each ATL Cell 844297 includes a composite separator wherein the inorganic particles and the binder polymer are mixed in a weight ratio of 50:50 to 99:1.

As shown in the sample TGA results below, the inorganic particles in the mixture of the inorganic particles and the binder polymer have a wt % of 92.1 ± 1.6:</td></tr>
</table>

Claim 1	Representative Accused ATL Cell 844297: ATL Cell 844297
	 TGA analysis of mixture of inorganic particles and binder polymer.