Exhibit 15

Exemplary Infringement Claim Chart for U.S. Pat. No. 7,638,241 – ATL Cell 844297

Claim 1	Representative Accused Product: ATL Cell 844297
[1pre] An organic/inorganic	Representative accused products include, but are not limited to, ATL Cell 844297:
composite separator	
comprising:	-ATL 17.02Wh 3 BV HIM HANNEL HIM HANNEL +844297 J096503A04F7
	Photograph of ATL Cell 844297.
	Each ATL Cell 844297 includes an organic/inorganic composite porous separator. For example, as shown in the SEM image below, the ATL Cell 844297 includes a composite porous separator having a coating layer and a polyolefin-based separator substrate:

Claim 1	Representative Accused Product: ATL Cell 844297
	Coating layer of inorganic particles with organic binder Polyolefin-based separator substrate SU8000 5.0kV 8.4mm x5.00k SE(UL) Cross-section SEM image at x5k.
[1a] (a) a porous substrate having pores; and	Each ATL Cell 844297 includes a porous substrate having pores. A cross-sectional view of the porous substrate having pores can be seen below:



Claim 1	Representative Accused Product: ATL Cell 844297
[1b] (b) a porous active	The separator in the ATL Cell 844297 includes a porous active layer containing a mixture of
layer containing a mixture	inorganic particles and a binder polymer with which at least one surface of the porous substrate is
of inorganic particles and a	coated.
binder polymer with which	
at least one surface of the	For example, as shown in the SEM image below, the surface of the porous substrate is coated with a
porous substrate is coated,	porous active layer that includes a mixture of inorganic particles and a binder polymer:
	$\label{eq:rescaled} \begin{aligned} & $









Claim 1	Representative Accused Product: ATL Cell 844297
	EDX mapping results showing Al signal intensity in blue.
	Because the inorganic particles (Al ₂ O ₃) includes aluminum, decreasing Al signal intensity corresponds to a decreasing concentration of inorganic particles.
	the porous active layer is higher than that of the binder polymer/inorganic particles present inside the porous active layer.

Claim 30	Representative Accused Product: ATL Cell 844297
[30pre] A method for	Representative accused products include, but are not limited to, ATL Cell 844297:
manufacturing an	
organic/inorganic composite	
separator comprising a	
porous active layer, the	
method comprising:	











Claim 30	Representative Accused Product: ATL Cell 844297
	Active layer (mixture of inorganic particles and a binder polymer) Under polymer Surface of the substrate SU8000 5.0kV 8.4mm x10.0k SE(UL)
[30d] wherein the porous active layer shows heterogeneity of composition morphology toward a thickness direction in which a content ratio of the first binder polymer/inorganic particles present in a surface region of the porous active layer is higher than that of the first binder polymer/inorganic particles present inside the porous active layer.	Each ATL Cell 844297 includes a porous active layer that shows heterogeneity of composition morphology toward a thickness direction in which a content ratio of the first binder polymer/inorganic particles present in a surface region of the porous active layer is higher than that of the first binder polymer/inorganic particles present inside the porous active layer. For example, the EDX mapping below of the active layer cross-section shows that Al signal intensity decreases toward a thickness direction of the active layer:

Claim 30	Representative Accused Product: ATL Cell 844297
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	EDX mapping results showing Al signal intensity in blue
	Because the inorganic particles (Al ₂ O ₃) includes aluminum, decreasing Al signal intensity corresponds to a decreasing concentration of inorganic particles.