

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT														
NATURE OF CONVEYANCE:	ASSIGNMENT														
CONVEYING PARTY DATA															
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Youichi Matsuura</td> <td>04/18/2013</td> </tr> <tr> <td>Yoshitaka Fukagai</td> <td>04/18/2013</td> </tr> <tr> <td>Satoshi Yamada</td> <td>04/18/2013</td> </tr> <tr> <td>Etsuo Ogami</td> <td>04/18/2013</td> </tr> <tr> <td>Satoshi Okano</td> <td>04/18/2013</td> </tr> <tr> <td>Tomoyuki Ichikawa</td> <td>04/18/2013</td> </tr> </tbody> </table>		Name	Execution Date	Youichi Matsuura	04/18/2013	Yoshitaka Fukagai	04/18/2013	Satoshi Yamada	04/18/2013	Etsuo Ogami	04/18/2013	Satoshi Okano	04/18/2013	Tomoyuki Ichikawa	04/18/2013
Name	Execution Date														
Youichi Matsuura	04/18/2013														
Yoshitaka Fukagai	04/18/2013														
Satoshi Yamada	04/18/2013														
Etsuo Ogami	04/18/2013														
Satoshi Okano	04/18/2013														
Tomoyuki Ichikawa	04/18/2013														
RECEIVING PARTY DATA															
Name:	Toray Advanced Film Co., Ltd.														
Street Address:	3-16, Nihonbashi Hongoku-cho 3-chome														
Internal Address:	Chuo-ku														
City:	Tokyo														
State/Country:	JAPAN														
Postal Code:	103-0021														
PROPERTY NUMBERS Total: 1															
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>13881869</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	13881869										
Property Type	Number														
Application Number:	13881869														
CORRESPONDENCE DATA															
Fax Number:	2156562498														
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>															
Phone:	215-656-3381														
Email:	pto.phil@dlapiper.com														
Correspondent Name:	IP GROUP OF DLA PIPER LLP (US)														
Address Line 1:	ONE LIBERTY PLACE														
Address Line 2:	1650 MARKET ST, SUITE 4900														
Address Line 4:	PHILADELPHIA, PENNSYLVANIA 19103														
ATTORNEY DOCKET NUMBER:	HIP-13-1147 (308870-020)														

CH \$40.00 13881869

502325957

PATENT
REEL: 030296 FRAME: 0653

NAME OF SUBMITTER:	Leslie J. Hood
Signature:	/LJH/
Date:	04/26/2013
Total Attachments: 2 source=Assignment#page1.tif source=Assignment#page2.tif	

ASSIGNMENT

WHEREAS, we, (1) Youichi MATSUURA, (2) Yoshitaka FUKAGAI, (3) Satoshi YAMADA, (4) Etsuo OGAMI, (5) Satoshi OKANO and (6) Tomoyuki ICHIKAWA, citizens of Japan,

(1) and (2) residing at c/o Takatsuki Plant, Toray Advanced Film Co., Ltd., 1-5, Sakura-machi, Takatsuki-shi, Osaka 569-0807 Japan,

(3) residing at c/o Toray Advanced Film Co., Ltd., 3-16, Nihonbashi Hongoku-cho 3-chome, Chuo-ku, Tokyo 103-0021 Japan, and

(4) - (6) residing at c/o Automotive Energy Supply Corporation, 10-1, Hironodai 2-chome, Zama-shi, Kanagawa 228-0012 Japan

respectively, (hereinafter referred to as "the undersigned"), having made an invention entitled

SECONDARY BATTERY, METHOD FOR MANUFACTURING SAME, AND
HEAT-SEALABLE INSULATING FILM FOR SECONDARY BATTERY

identified in International Application No. PCT/JP2011/072145, and US Application No. 13/881,869, (DLA Piper is authorized to insert the Serial No. when known),

WHEREAS, (1) Toray Advanced Film Co., Ltd., with a head office at 3-16, Nihonbashi Hongoku-cho 3-chome, Chuo-ku, Tokyo 103-0021 Japan, and (2) Automotive Energy Supply Corporation, with a head office at 10-1, Hironodai 2-chome, Zama-shi, Kanagawa 228-0012 Japan,

(hereinafter referred to as "assignee"), are desirous of acquiring the entire right, title and interest in said invention, said US application and all letters patent issuing for said invention,

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and of other good and valuable consideration, receipt of which is hereby acknowledged, the undersigned, intending to be legally bound, does hereby sell, assign and transfer to the assignee the entire right, title and interest, for the United States of America, its territories and possessions, and for all foreign countries, in said invention, including said US application, all divisions and continuations thereof, all rights to claim priority based thereon, all rights to file foreign applications on said invention, and all letters patent and reissues thereof, issuing for said invention in the United States of America and in any and all foreign countries.

It is agreed that the undersigned shall be legally bound, upon request of the assignee, or its successors or assigns or a legal representative thereof, to supply all information and evidence of which the undersigned has knowledge or possession, relating to the making and practice of said invention, to testify in any legal proceeding relating thereto, to execute all instruments proper to patent the invention in the United States of America and foreign countries in the name of the assignee, and to execute all instruments proper to carry out the intent of this instrument. If the undersigned includes more than one individual, these obligations shall apply to all of the undersigned both individually and collectively.

The rights and property herein conveyed by the undersigned are free and clear of any encumbrance.

EXECUTED on the date(s) set forth below.

April 18, 2013
Date

April 18, 2013
Date

(1) Yowichi Matsuura
Youichi MATSUURA

(2) Yoshitaka Fukagai
Yoshitaka FUKAGAI

ASSIGNMENT
(Page 2)

April 18, 2013
Date

April 18, 2013
Date

April 18, 2013
Date

April 18, 2013
Date

(3) Satoshi Yamada
Satoshi YAMADA

(4) Etsuo Ogami
Etsuo OGAMI

(5) Satoshi Okano
Satoshi OKANO

(6) Tomoyuki Ichikawa
Tomoyuki ICHIKAWA