

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Name</th> <th style="width: 30%;">Execution Date</th> </tr> </thead> <tbody> <tr> <td>Hideaki KATAYAMA</td> <td>08/18/2009</td> </tr> <tr> <td>Yoshinori SATO</td> <td>08/18/2009</td> </tr> <tr> <td>Toshihiro ABE</td> <td>08/18/2009</td> </tr> <tr> <td>Nobuaki MATSUMOTO</td> <td>08/18/2009</td> </tr> </tbody> </table>		Name	Execution Date	Hideaki KATAYAMA	08/18/2009	Yoshinori SATO	08/18/2009	Toshihiro ABE	08/18/2009	Nobuaki MATSUMOTO	08/18/2009
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Name:</td> <td>Hitachi Maxell, Ltd.</td> </tr> <tr> <td>Street Address:</td> <td>1-88, Ushitora 1-chome</td> </tr> <tr> <td>City:</td> <td>Ibaraki-shi, Osaka</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> <tr> <td>Postal Code:</td> <td>567-8567</td> </tr> </table>		Name:	Hitachi Maxell, Ltd.	Street Address:	1-88, Ushitora 1-chome	City:	Ibaraki-shi, Osaka	State/Country:	JAPAN	Postal Code:	567-8567
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CORRESPONDENCE DATA											
<p>Fax Number: (703)205-8050 <i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i></p> <p>Phone: 703-205-8000 Email: tisdale@bskb.com Correspondent Name: Birch, Stewart, Kolasch & Birch, LLP Address Line 1: P.O. Box 747 Address Line 4: Falls Church, VIRGINIA 22040-0747</p>											
ATTORNEY DOCKET NUMBER:	5271-0192PUS1										
NAME OF SUBMITTER:	John W. Bailey										
Total Attachments: 2 source=ASSIGNMENT#page1.tif											

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PATENT
REEL: 023166 FRAME: 0546

BIRCH, STEWART, KOLASCH & BIRCH, LLPUNITED STATES PATENT RIGHTS, OR
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS**ASSIGNMENT**Application No. 12/528,779 Filed 08/26/09Insert Name(s)
of Inventor(s) Hideaki KATAYAMA
Yoshinori SATO
Toshihiro ABE
Nobuaki MATSUMOTO

WHEREAS, (hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in:

Insert Title
of Invention SEPARATOR FOR ELECTROCHEMICAL DEVICE, ELECTRODE FOR ELECTROCHEMICAL DEVICE, AND ELECTROCHEMICAL DEVICE

for which an application for Letters Patent of the United States of America has been executed by the undersigned (except in the case of a provisional application)

Insert Date
of Signing of
Application on August 18, 2009 ;
andInsert Name
of Assignee WHEREAS, HITACHI MAXELL, LTD.Insert Address
of Assignee of 1-88, Ushitora 1-chome, Ibaraki-shi, Osaka 567-8567, JAPAN

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee) is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent(s) that may be granted therefor in the United States of America and

CHECK BOX
IF APPROPRIATE ☐ in any foreign countries.

NOW, THEREFORE, in consideration of the sum of Ten Dollars (\$10.00) to the undersigned in hand paid, the receipt of which is hereby acknowledged, and other good and valuable consideration, the undersigned has (have) sold, assigned and transferred, and by these presents does sell, assign and transfer unto said Assignees the full and exclusive right to the said invention in the United States of America, its territories, dependencies and possessions and the entire right, title and interest in and to any and all Letters Patent(s) which may be granted therefor in the United States of America, its territories, dependencies and possessions, and if the box above is designated, in any and all foreign countries;

and to any and all divisions, reissues, continuations, conversions and extensions thereof for the full term or terms for which the same may be granted.

in equal undivided amounts unless specific undivided amounts are listed below:

**OWNERSHIP
INTEREST**

Assignee 1 (____%); Assignee 2 (____%); Assignee 3 (____%).

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional, conversion or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignees may deem necessary or expedient.

The undersigned agree (s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division, conversion or reissue thereof or Letter Patent(s) or reissue patent issued thereon and to cooperate with the Assignees in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States of America patent(s) or a grant of a valid United States of America and any foreign patent(s) to the Assignees and to vest all rights therein hereby conveyed to said Assignees as fully and entirely as the same would have been held by the undersigned if this Assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Patent and Trademark Office Officials in the United States of America and in any foreign countries to issue any and all Letters Patents resulting from said application or any continuing, divisional conversion or reissue applications thereof to the said Assignees, as Assignees of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of Birch, Stewart, Kolasch & Birch, LLP the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.

The undersigned hereby covenant(s) that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date August 18, 2009, Name of Inventor Hideaki Katayama
(signature) Hideaki KATAYAMA Y.S. 2009/8/18

Date August 18, 2009, Name of Inventor Yoshinori Sato
(signature) Yoshinori SATO August 8, 2009

Date August 18, 2009, Name of Inventor Toshihiro Abe
(signature) Toshihiro ABE

Date August 18, 2009, Name of Inventor Nobuaki Matsumoto
(signature) Nobuaki MATSUMOTO

Date _____, Name of Inventor _____
(signature)

Date _____, Name of Inventor _____
(signature)