

03-24-2003

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PATENTS ONLY

Our Ref.: 914-169

Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

<p>1. Name of conveying party(ies): Shinsuke TACHIBANA Hitoshi SANNOMIYA</p> <p>3.12.03</p> <p>Additional name/s of conveying party/ies attached? <input type="checkbox"/></p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment      <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment      <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 2/28/03</p>	<p>2. Name and address of receiving party(ies):</p> <p>Name: Sharp Kabushiki Kaisha Internal Address: Street Address: 22-22, Nagaike-cho, Abeno-ku, Osaka-shi</p> <p>City: Osaka State/Country: Japan Zip:</p> <p>Additional name/s &amp; address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
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<p>4. Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: 2/28/03</p> <table border="0"><tr><td style="vertical-align: top;"><p>A. Patent Application No(s). (1) Unknown (2) (3)</p></td><td style="vertical-align: top;"><p>B. Patent No(s). (1) (2) (3)</p><p>10385567</p></td></tr></table> <p>Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>A. Patent Application No(s). (1) Unknown (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p> <p>10385567</p>
<p>A. Patent Application No(s). (1) Unknown (2) (3)</p>	<p>B. Patent No(s). (1) (2) (3)</p> <p>10385567</p>		

<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Mark E. Nusbaum</p> <p>Internal Address:</p> <p>Street Address: Nixon &amp; Vanderhye P.C. 1100 North Glebe Road 8<sup>th</sup> Floor</p> <p>City: Arlington State: VA Zip: 22201</p>	<p>6. Total number of applications &amp; patents involved: 1</p> <p>7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140</p> <p>8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.</p>
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DO NOT USE THIS SPACE

<p>9. Statements and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</p> <table border="0"><tr><td style="text-align: center;">Mark E. Nusbaum Name of Person Signing Reg. No. 32,348</td><td style="text-align: center;"> Signature</td><td style="text-align: center;">March 12, 2003 Date</td></tr></table> <p>Total number of pages including original cover sheet, attachments, and document: [3]</p>			Mark E. Nusbaum Name of Person Signing Reg. No. 32,348	 Signature	March 12, 2003 Date
Mark E. Nusbaum Name of Person Signing Reg. No. 32,348	 Signature	March 12, 2003 Date			

03/17/2003 RMEB: 00000025 10385567  
01 FC:8021  
40.00 UP

UNITED STATES PATENT RIGHTS, OR  
UNITED STATES PLUS ALL FOREIGN PATENT RIGHTS

ATTORNEY DOCKET NO.

ASSIGNMENT

Application No. \_\_\_\_\_

Filed \_\_\_\_\_

Insert Name(s)  
of Inventor(s)

WHEREAS, Shinsuke TACHIBANA and Hitoshi SANNOMIYA

Insert Title  
of Invention

(hereinafter designated as the undersigned) has (have) invented certain new and useful improvements in \_\_\_\_\_

SOLAR BATTERY CELL AND MANUFACTURING METHOD THEREOF

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 February 28, 2003; and

Insert Name  
of Assignee

WHEREAS, Sharp Kabushiki Kaisha

Insert Address  
of Assignee

of 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka, Japan

CHECK BOX  
IF APPROPRIATE

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  
☒ in any and all 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 Assignee 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.

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 Assignee 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 Letters Patent(s) or reissue patent issued thereon and to cooperate with the Assignee 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 Assignee and to vest all rights therein hereby conveyed to said Assignee 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) the 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 Assignee, as Assignee 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 Nixon & Vanderhye P.C. 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 <u>February 28, 2003</u> ,	Name of Inventor <u>Shinsuke Tachibana</u> Shinsuke TACHIBANA
Date <u>February 28, 2003</u> ,	Name of Inventor <u>Hitoshi Sannomiya</u> Hitoshi SANNOMIYA
Date _____ ,	Name of Inventor _____
Date _____ ,	Name of Inventor _____
Date _____ ,	Name of Inventor _____
Date _____ ,	Name of Inventor _____
Date _____ ,	Name of Inventor _____
Date _____ ,	Name of Inventor _____