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12-21-2001



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

1. Name of conveying party(ies) 1) Takahiro DAIDO 2) Satoshi IGARASHI 3) Satoshi NISHIKAWA 4) Hiroyuki HONMOTO 5) Hitoyoshi MINEMATSU Additional name(s) of conveying party(ies) attached <input type="checkbox"/> No	2. Name and address of receiving party(ies) Name: Teijin Limited Street Address: 6-7, Minamihommachi 1-chome, Chuo-ku, Osaka 541-0054 JAPAN Additional name(s) & address(es) attached <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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10/29/01

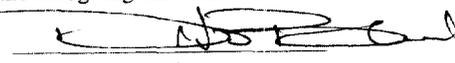
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name Other _____ Execution Date: 1) - 5) October 12, 2001

4. Application number(s) or patent number(s):
 If the document is being filed together with a new application, the execution date of the application is **October 12, 2001**
 Additional numbers attached No

5. Name and address of party to whom correspondence concerning document should be mailed: Name: RADER, FISHMAN & GRAUER Internal Address: Suite 501 Street Address: 1233 20th Street, NW City: Washington, D.C. Zip: 20036	6. Total number of applications and patents involved:..... 1 7. Total fee (37 CFR 3.41)..... \$ 40.00 <input type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to Deposit Account 8. Deposit account number: 18-0013 (Attach duplicate copy of this page if paying by deposit account)
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9. Statement 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.

David K. Benson  **October 29, 2001**
 Name of Person Signing Signature Date
 Total number of pages comprising cover sheet

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U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter "ASSIGNOR") by

(Insert
ASSIGNEE's
Name(s)
Address(es))

TEIJIN LIMITED

6-7, Minamihommachi 1-chome, Chuo-ku, Osaka-shi, Osaka

541-0054, Japan

(hereinafter "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of
Invention)

LITHIUM ION SECONDARY BATTERY, SEPARATOR,

BATTERY PACK AND CHARGING METHOD

relating to International Patent Application PCT/IP 01 / 01785 and/or for which application for Letters Patent of the United States was executed on even date herewith or, if not so executed, was:

(Insert date
of execution
of application,
if not
concurrent)

(a) executed on _____ ;
(b) filed on _____ ;
Serial No. _____ / _____ ;

(_____) is hereby authorized to insert in (b) the specified data, when known.

and to said application and all Letters Patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNOR may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

1)	<u>Takahiro Daido</u> (SIGNATURE)	Takahiro Daido (TYPE NAME)	October 12, 2001 (DATE)
2)	<u>Satoshi Igarashi</u> (SIGNATURE)	Satoshi Igarashi (TYPE NAME)	October 12, 2001 (DATE)
3)	<u>Satoshi Nishikawa</u> (SIGNATURE)	Satoshi Nishikawa (TYPE NAME)	October 12, 2001 (DATE)
4)	<u>Hiroyuki Honmoto</u> (SIGNATURE)	Hiroyuki Honmoto (TYPE NAME)	October 12, 2001 (DATE)
5)	<u>Hiroyoshi Minematsu</u> (SIGNATURE)	Hiroyoshi Minematsu (TYPE NAME)	October 12, 2001 (DATE)
6)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
7)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)
8)	_____ (SIGNATURE)	_____ (TYPE NAME)	_____ (DATE)