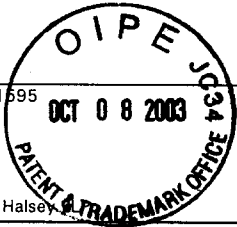


10/8/03



10-15-2003



102574640

IEET

Y

S&H Form: (2/01)

U.S. DEPARTMENT

OF COMMERCE

Patent and Trademark Office

FORM PTO-1595 ©2001 Staas & Halsey To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Ji-Seong HAN, Su-Suk CHOI, Seung-Hee PARK, and Yun-Suk CHOI

2. Name and Address of receiving party(ies):

SAMSUNG SDI CO., LTD. 575, Sin-dong, Paldal-gu Suwon-city, Kyungki-do, Korea

3. Nature of conveyance:

- X Assignment Merger Security Agreement Change of Name Other:

Execution Date(s): November 28, 2002

4. Application number(s) or patent number(s):

- This document is being filed together with a new application: (a) The execution date(s) of the application is/are: (b) The title is: OR X This document is being filed after filing of the application: (a) Patent Application No(s). 10/310,822, filed December 6, 2002; or (b) Patent No(s). , issued .

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP Our Docket: 1567.1039 Attention: Michael D. Stein 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)

- X Enclosed Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)

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.

Michael D. Stein, Reg. No. 37,240 Name of Person Signing

Signature

Date 10/8/03

10/14/2003 DBYRME

00000059 10310822

01 FC:0021

40.00 DP

DO NOT USE THIS SPACE

Total number of pages including cover sheet: 8

05-07-2003

FORM PTO-1595

REI



U.S. DEPARTMENT OF COMMERCE

2001 Staas & Halsey LLP

102433885

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

1. Name of conveying party(ies):
Ji-Seong HAN, Su-Suk CHOI, Seung-Hee PARK and Yun-Suk CHOI

2. Name and Address of receiving party(ies):

SAMSUNG SDI CO., LTD.
575, Sin-dong, Paldal-ku
Suwon-city, Kyongki-do
Korea

12/06/02

10996 U.S. PTO
10/310822
12/06/02

3. Nature of conveyance:

Assignment Merger
 Security Agreement Change of Name
 Other: _____

Execution Date(s): November 28, 2002

4. Application number(s) or patent number(s):

This document is being filed together with a new application:
(a) The execution date(s) of the application is/are: November 28, 2002
(b) The title is: POSITIVE ELECTRODE FOR LITHIUM-SULFUR BATTERY
OR
 This document is being filed after filing of the application:
(a) Patent Application No(s). _____, filed _____; or
(b) Patent No(s). _____, issued _____

5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY LLP Our Docket: 1567.1039
Attention: Michael D. Stein
700 Eleventh Street, N.W., Suite 500
Washington, D.C. 20001

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... (\$ 40.00 per Assignment)

Enclosed
 Authorized to be charged to deposit account.

8. Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account)
(Attach duplicate copy of this page if paying by deposit account)

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.

Michael D. Stein, Reg. No. 37,240
Name of Person Signing

Signature

December 6, 2002
Date

Total number of pages including cover sheet: 2

DO NOT USE THIS SPACE

12/09/2002 JBALINAN 00000013 10310822

02 FC:8021

40.00 DP

U.S. ASSIGNMENT

S&H 1.00

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 Name(s) & Address(es) of ASSIGNEE(S))

Samsung SDI Co., Ltd. of 575, Sin-dong, Paldal-ku, Suwon-city, Kyungki-do, Korea

(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)

POSITIVE ELECTRODE FOR LITHIUM-SULFUR BATTERY

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

(a) executed on November 28, 2002; (Insert date of execution of application, if not concurrent)

(b) filed on _____

Serial No. ___/___;

Any registered attorney of STAAS & HALSEY LLP, 700 Eleventh Street, N.W., Washington, D.C. 20001 (202)434-1500 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 ASSIGNEE 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).

(Typed Name & Signature of Inventor(s))

(Date)

(Typed Name & Signature of Witness(es))

1) Han Ji-Seong

Nov. 28, 2002

Mi-Young PARK

Ji-Seong HAN

2) Su Suk Choi

Nov. 28, 2002

Hye-Jin KIM

Su-Suk CHOI

3) Park Seung - Hee

Nov. 28, 2002

Kyung-a LEE

Seung-Hee PARK

4) Yun-Suk CHOI

Nov. 28, 2002

Jin-Hee JUNG

Yun-Suk CHOI

PATENT

RECORDED: 10/08/2003

REEL: 014576 FRAME: 0900