Г	RECORDATION FORM COVER SHEET U.S. DEPARTMENT OF COMMERCE
	Patent and Trademark Office
	PATENTS ONLY
Г	To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.
	Name of conveying party:

	PATENTS ONLY
į	To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.
١.	Name of conveying party: Kwan-Sic CHUN
2.	Name and Address of receiving party: Samsung SDI Co., Ltd. 673-7, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea
3.	Nature of conveyance: X Assignment Merger Security Agreement Change of Name Other: Execution Date(s): January 26, 2010
١.	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: LITHIUM SECONDARY BATTERY OR
	 ☑ This document is being filed after filing of the application: (a) Patent Application No(s). 12/691,133, filed January 21, 2010; or (b) Patent No(s)., issued.
5.	Name and address of party to whom correspondence concerning document should be mailed: STEIN MCEWEN, LLP Our Docket: 0026.1302 Attention: James G. McEwen 1400 Eye St., N.W., Suite 300 Washington, D.C. 20005
3.	. Total number of applications and patents involved:1
7.	Total fee (37 CFR 3.41)(\$ 40.00 per Patent or Application in Assignment) ☐ Enclosed ☐ Authorized to be charged to Deposit Account No. 503333.
3.	Deposit Account No. 503333: (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)
	ames G. McEwen, Reg. No. 41,983 lame of Person Signing Total number of pages including cover sheet: 3

CERTIFICATE OF FACSIMILE TRANSMISSION
I hereby certify that this correspondence is being transmitted via tacsimila to: Commissionar for Patents.
on 2010 Stein McEwen, LLF

REEL: 023865 FRAME: 0660

Attorney Docket No.: 0026.1302

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) (hareinafter, "ASSIGNOR") by

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

Samsung SDI Co., Ltd. 673-7, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea

RECORDED: 01/28/2010

(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

Life	HUM SECONDARY BATTERY
elating to international Patent Application PCT/J vas executed on even date herewith or, if not so	P/and/or for which application for Letters Patent of the United State o executed, was:
(a) executed on ;	(Insert date of execution of application, if not concurrent)
(b) filed on January 20, 2010 Application No. 12/691,133;	Any registered attorney of STEIN MCEWEN, LLP, 1400 Eye St., N.W., Suite 300, Washington, D.C. 20005 (202/216-9505) is hereby authorized to insert in (b) the specified data, when known.
substitute, relissue or reexamination application granted and including any extensions thereof (or	of the United States granted on said application and any continuation, division, renewal based thereon, for the full term or terms for which the said Letters Patent(s) may be ollectively, hereinafter, "said application(s) and Letters Patent(s)").
to do all acts which the ASSIGNEE may deem no seid invention, including in the preparation and interference, reissue, reexamination, or public u declared in relation to same, such acts to include declarations, taking all rightful oaths, providing so IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	ested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE acessary, desirable or expedient, for securing, maintaining and enforcing protection for prosecution of said application(s) and the issuance of said Letters Patent(s), in an use proceeding, and in any litigation or other legal proceeding which may arise or business that not be limited to executing all papers, including separate assignments an aworn testimony, and obtaining and producing evidence. Inventor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
to do all acts which the ASSIGNEE may deem has said invention, including in the preparation and interference, reissue, reexamination, or public tractared in relation to same, such acts to included artificial relations, taking all rightful oaths, providing a lin WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s))	ecessary, desirable or expedient, for securing, maintaining and enforcing protection to prosecution of said application(s) and the issuance of said Letters Patent(s), in an use proceeding, and in any litigation or other legal proceeding which may arise or builde but not be limited to executing all papers, including separate assignments are aworn testimony, and obtaining and producing evidence. Inventor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es))
to do all acts which the ASSIGNEE may deem his seld invention, including in the preparation and interference, reissue, reexamination, or public declared in relation to same, such acts to include teclarations, taking all rightful oaths, providing a IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) 1)	ecessary, desirable or expedient, for securing, maintaining and enforcing protection is prosecution of said application(s) and the issuance of said Letters Patent(s), in an use proceeding, and in any litigation or other legal proceeding which may arise or it use but not be limited to executing all papers, including separate assignments are award testimony, and obtaining and producing evidence. Inventor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es)) 26 Janita 14, 2010
to do all acts which the ASSIGNEE may deem he said invention, including in the preparation and interference, reissue, reexamination, or public to declared in relation to same, such acts to included in relations, taking all rightful oaths, providing a IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) 1)	ecessary, desirable or expedient, for securing, maintaining and enforcing protection is prosecution of said application(s) and the issuance of said Letters Patent(s), in an isse proceeding, and in any litigation or other legal proceeding which may arise or bude but not be limited to executing all papers, including separate assignments are sworn testimony, and obtaining and producing evidence. Inventor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es)) 26 January, 2019 January, 2019
to do all acts which the ASSIGNEE may deem he seld invention, including in the preparation and interference, reissue, reexamination, or public declared in relation to same, such acts to included declared in relation to same, such acts to included declarations, taking all rightful oaths, providing a IN WITNESS WHEREOF, the undersigned in (Typed Name & Signature of Inventor(s)) Kwaw - Gro CHUN Kwan-Sic CHUN	ecessary, desirable or expedient, for securing, maintaining and enforcing protection to prosecution of said application(s) and the issuance of said Letters Patent(s), in an use proceeding, and in any litigation or other legal proceeding which may arise or buse but not be limited to executing all papers, including separate assignments an aworn testimony, and obtaining and producing evidence. Inventor(s) has (have) affixed his/her/their signature(s). (Date) (Typed Name & Signature of Witness(es)) 26 January, 2019

PATENT REEL: 023865 FRAME: 0661