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103634588 ts and Trademarks: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): 1) Chan-Seok KIM OCT 1 3 2011 SAMSUNG SDI CO., LTD., a corporation chartered in and existing under the laws of the Republic of Korea Additional name(s) of conveying party(ies) attached 428-5, Gongse-dong, Giheung-gu 3. Nature of conveyance Yongin-si, Gyeonggi-do Assignment □ Merger □ Security Agreement □ Change of Name Republic of KOREA □ Other Execution Date: 19 September 2011 Additional name(s) & addresses attached? □ Yes 4. Application number(s) or Patent number(s): If this document is being filed together with a new application, the execution of the application is: A. Patent Application No.(s) B. Patent No.(s) 13/238,554 Additional number(s) attached? " Yes 5. Name and address of party to whom correspondence 6. Total Number of applications and patents involved: ONE concerning document should be mailed: 7. Total fee (37 CFR § 3.41) \$_U.S. \$40.00 Name: Robert E. Bushnell Attorney at Law ■ Enclosed (Check#7752) 2029 "K" Street, N.W. Suite 600 ☐ Authorized to be charged to deposit account Washington, D.C. 20006-1004 8. Deposit Account Number: (202) 408-9040 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 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. ROBERT E. BUSHNEL 7 October 201 Name of Person Signing Total number of pages including cover sheets 10/17/2011 AMULLINS 0000001 13238554 01 FC:8021 OMB No. 0651-0011 (exp. 4/94) Do not detach this portion Mail documents to be recorded with the required cover sheet information to: **Commissioner of Patents and Trademarks Box Assignments**

REB/sv (Attorney's Docket No.: P59500)

Alexandria, VA 22313-1450

ASSIGNMENT

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that: IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged. I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:

SAMSUNG SDI CO., LTD.,

a corporation chartered in and existing under the laws of the Republic of Korea,

ADDRESS:

428-5, Gongse-dong, Giheung-gu, Yongin-si, Gyeonggi-do, Republic of KOREA

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

TITLE: SECONDARY BATTERY

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:

executed on even date herewith, or			transfer to the second of		
Serial No. 13/238,554	_filed in the U.S. Patent & Trademark Office or	21	Septemb er	2011	or
executed on			entition to Australia and at a resident advanta of a security and advance of a gain and	Maria and a per parties of the parti	

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-inpart, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property. Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names

INVENTOR(s)

1) Chan-seok KIM (Seal)

▲ 4/10/1996 R.E.Bushnell

PATENT REEL: 027190 FRAME: 0322

RECORDED: 10/13/2011