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Name of Person Signing

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FORM PTO-1595 R To the Director of the U.S. Patent and Trad.	01-09-2006 103152251	U.S. DEPARTMENT OF COMMERCE
Name of conveying party(ies): Seol-ah LEE Chan-ho PAK Dae-jong YOO		Ç
Name and Address of receiving par Samsung SDI Co., Ltd. 575, Shin-dong, Yeongtong-gu, Gyeonggi-do Suwon-si, Republic of Korea	ty(ies) :	0 1 0063 F
Nature of conveyance: X Assignment Security Agreement	Merger Change of Name	

Execution Date(s): December 23, 2005 Application number(s) or patent number(s): 4. ☐ This document is being filed together with a new application: The execution date(s) of the application is/are: December 28, 2005 (a) The title is: PT/RU ALLOY CATALYST FOR FUEL CELL (b) OR This document is being filed after filing of the application: Patent Application No(s). Unassigned, filed December 28, 2005; or (a) Patent No(s). , issued . (b) 5. Name and address of party to whom correspondence concerning document should be mailed: STEIN, MCEWEN & BUI, LLP Our Docket: 0024.1001 Attention: Michael D. Stein 1400 Eye St., N.W., Suite 300 Washington, D.C. 20005 6. 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. 8. Deposit Account No. 50-3333: (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account) Michael D. Stein, Reg. No. 37,240 December 28, 2005

Signature

DO NOT USE THIS SPACE

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PATENT

Date

Total number of pages including cover sheet: 2

U.S. ASSIGNMENT

SMB 12/04

RECORDED: 12/28/2005

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

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

SAMSUNG SDI CO., LTD. 575, Shin-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

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

Title of invention)				
Pt/Ru ALLOY CATALYST FOR FUEL CELL				
relating to internetional Patent Application PCT/JP/was executed on even date herewith or, if not so executed	and/or for which application for Letters Patent of the United States, was:			
(a) executed on ;	(insert date of execution of application, if not concurrent)			
(b) filed on ,	Any registered attorney of STEIM, MCEWEN & BUI, LLP, 1400 Eye			
Sorial No. Not yet assigned;	St., N.W., Suite 300, Washington, D.C. 20005 (202/216-9505) (s horeby authorized to insert in (b) the specified data, when known.			
and to point profitonites and all latters Date attached the United				

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 Petent(s), in any interference, release, reexamination, or public use proceeding, and in any fitigation 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 caths, providing sworn testimony, and obtaining and producing evidence.

11	N WITNESS WHEREOF, the undersigned invi (Typed Name & Signature of Inventor(s))	enfor(s) has (have) affixed his/her/their signature(s), (Dale) (Typed Name & Signature of Witness(es
1]	Soul Ah Lee	23 December 2005
2)	Secretal Pak	23 December 2005
3)	Dae-jong YOO	23 December 2005
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