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| ` <u> </u> | To the Director of the U.S. Patent | 103246513 | I original documents or copy thereof. | 0 |
| 1. | Name of conveying parties: | | | S. PT |
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| 3. | Nature of conveyance: X Assignment Security Agreement Other: | Merger Change of Na | me | |
| | Execution Date(s): May 23 | , 2006 | _ | |
| 4. | (a) The execution date (b) The title is: MONOF OR This document is being | filed together with a new applic of the application is: May 23, 2 POLAR MEMBRANE-ELECTRO filed after filing of the application No(s). Not yet assigned, filed Ma | 006 DDE ASSEMBLY on: | |
| 5. | Name and address of party to whom correspondence concerning document should be mailed: STEIN, MCEWEN & BUI, LLP Our Docket: 0024.1036 Attention: Michael D. Stein 1400 Eye St., N.W., Suite 300 Washington, D.C. 20005 | | | ailed: |
| 6. | Total number of applications and patents involved:1 | | | |
| 7. | | | | |
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| 2006 CNGU | YEN2 00000084 11438270 | | | |
| 8021 | 40.00 OP | Million | 167 -1 | |
| | el D. Stein, Reg. No. 37,240 of Person Signing | Signature | <u>S/23/06</u> Date | <u> </u> |
| Hanne | | | | |

PATENT REEL: 017923 FRAME: 0590

U.S. ASSIGNMENT

SMB 12/04

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

Samsung SDI Co., Ltd. 575, Shin-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do Republic of Korea

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| 1) 2 b C | 23 May 2006 |
| 2) Vinface | 23 May 2006 |
| 3)lin-ho KiM | 23 May 2006 |
| 4) | |
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| 6) | |
| 7) | |

PATENT REEL: 017923 FRAME: 0591

RECORDED: 05/23/2006