ASSIGNMENT RECORDATION FORM COVER S.

04-16-2003

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To the Honorable Commissioner of Patents and Trademarks: 102420793

April 7, 2003 Attorney Docket No. 5051-610

Pleaso record th	he attached	original	documents	or copy	thereof.

1. Name of conveying party(ies):

Ji 1-Tae Joo

4-8-03

Yes X No Additional name(s) of conveying party(ies) attached?

3. Nature of conveyance:

__ <u>⟨</u> Assignment

__ Merger

___ Security Agreement

___ Change of Name __ Other __

Execution Date: March 24, 2003

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

Samsung Electronics Co., Ltd. 416 Maetan-dong, Paldal-gu Suwon-city, Kyungki-do Republic of Korea



Additional name(s) & address(es) attached? ___ Yes X No

4. Application Serial No.

Patent No.

10408215

If his document is being filed together with a new application, the execution date of the application

is: April 7, 2003

Ac ditional numbers attached?

5. N ime and address of party to whom correspondence

co icerning document should be mailed:

Customer Number 20792

El zabeth A. Stanek

Mers Bigel Sibley & Sajovec

Post Office Box 37428

Raleigh, North Carolina 27627

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)

\$40.00

X Enclosed

____ Authorized to be charged to deposit account

8. Deposit account number: 50-0220

DO NOT USE THIS SPACE

9. Statement and signature

Te the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy

of 'he original document.

I lizabeth A. Stanek, Reg. 48,568 Name of Person Signing

April 7, 2003

Total number of pages including cover sheet, attachments and document: 3

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PATENT REEL: 013952 FRAME: 0100

ASSIGNMENT

THIS ASSIGNMENT, made by me, Jin-Tac Joo; citizen of the Republic of Korea, residing at 102-901, Jugong Apt., Hwanggol-Macul, Youngtong-dong, Paldal-ku, Suwon, Kyunggi-do, 442-470, Republic of Korea;

WITNESSETH: That,

WHEREAS, Samsung Electronics Co., Ltd., a Korean corporation having a principal place of business at 416 Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea, hereinafter referred to as assignee, is desirous of acquiring the entire right, title and interest in and to said invention as described in said application, and in and to any and all Letters Patent which shall be granted therefor in the United States of America and all foreign countries;

NOW, THEREFORE, To Whom It May Concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I have sold and by these presents do hereby sell, assign, transfer and convey unto the said assignee, its successors and assigns, the entire right, title and interest in and to the said invention and application, and in and to any and all continuations, continuations-in-part, or divisions thereof, and in and to any and all Letters Patent of the United States of America and all foreign countries or reissues thereof which may be granted therefor or thereon, for the full end of the term for which said Letters Patent may be granted, together with the right to claim the priority of said application in all foreign countries in accordance with the International Convention, the same to be held and enjoyed by said assignee, its successors and assigns, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not been made.

I hereby request that said Letters Patent be issued in accordance with this assignment. I further covenant and agree that, at the time of the execution and delivery of these presents, I possess full title to the invention and application above-mentioned, and that I have the unencumbered right and authority to make this assignment.

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I further covenant and agree to bind my heirs, legal representatives and assigns, promptly to communicate to said assignee or its representatives any facts known to me relating to said invention, to testify in any interference or legal proceedings involving said invention, to execute any additional papers which may be requested to confirm the right of the assignee, its representatives, successors or assigns to secure patent or similar protection for the said invention in all countries and to vest in the assignee complete title to the said invention and Letters Patent, without further compensation, but at the expense of said assignee, its successors, assigns and other legal representatives.

IN WITNESS WIT		eunto set my l	nand and seal on this	Z4 day of
(JINI-TAZ	500	(S17 A Y N	

Witnessed by:		
Date:		
Date:	<u></u> .	

RECORDED: 04/08/2003

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