Docket No.: SEC.820 FORM PTO-1595 (Modified) F U.S. DEPARTMENT OF COMMERCE 08-02-2001 (Rev. 6-93) OMB No 0651-0011 (exp.4/94) Patent and Trademark Office Copyright 1996-97 LegalStar P08A/REV02 Tab settings → → 101796635 acached original documents or copy thereof. To the Honorable Commissioner of Patents 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Hyong-yong LEE Suk-bae JUN Name: Samsung Electronics Co., Ltd. **Choong-sun PARK** Address: 416, Maetan-dong, Paldal-gu Additional names(s) of conveying party(ies) ☐ Yes 🏿 No 3. Nature of conveyance: Assignment □ Merger ☐ Security Agreement Change of Name City: Suwon-city, Kyungki-do State/Prov.: ☐ Other Country: Republic of Korea ZIP: Execution Date: June 29, 2001 Additional name(s) & address(es) ☐ Yes ⊠ No 4. Application number(s) or registration numbers(s): If this document is being filed together with a new application, the execution date of the application is: June 29, 2001 Patent Application No. Filing date B. Patent No.(s) NEW July 10, 2001 09/90/050 ☐ Yes 🏻 No Additional numbers 5. Name and address of party to whom correspondence 6. Total number of applications and patents involved: concerning document should be mailed: Name: ANDREW J. TELESZ, JR. 7. Total fee (37 CFR 3.41):....\$ 40.00 Registration No. 33,581 ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account Address: JONES VOLENTINE, P.L.L.C. Authorized to be charged to deposit account 12200 SUNRISE VALLEY DRIVE, SUITE 150 8. Deposit account number: City: **RESTON** State/Prov.: VA 50-0238 ZIP: 20191 Country: USA

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ANDREW J. TELESZ, JR.

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.

Signature

July 10, 2001

Name of Person Signing

Total number of pages including cover sheet, attachments, and

Date

REEL: 012019 FRAME: 0420

J O N E S VOLENTINE L.L.C. (1/2001)

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned Insert Name(s) Hyong-yong LEE of Inventor(s) Suk-bae JUN Choong-sun PARK Insert Name(s) the undersigned hereby sell(s) and assign(s) to of Assignee(s) Samsung Electronics Co., Ltd. Address of 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (hereinafter designated as the Assignee) the entire right, title and interest for the United States as defined in 35 USC 100, in the invention known as Title of Invention SEMICONDUCTOR MEMORY DEVICE WHICH CONTROLS SENSE AMPLIFIER FOR DETECTING BIT LINE BRIDGE AND METHOD OF CONTROLLING THE SEMICONDUCTOR MEMORY DEVICE **Date of Signing** for which an application for patent in the United States of America has been executed by the undersigned of Application on June 29,2001 The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient. The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference. The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements. The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee. The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

Page 1 of 2

	In witness whereof	, executed by the undersign	ed on the date(s) opposite the undersigned name(s).
Date	2001. 6.29	, Name of Inventor	yong-yong Lee g-yong Lee uk-bae Jun
oto	200	Hyor Name of Inventor 5	g-yong Lee
ale	2001. 6.29	, Name of Inventor Suk-	pae Jun
ate	2001, 6.29	, Name of Inventor	Dae Jun Long - sun Park Ong-sun Park
ate		Choo , Name of Inventor	ong-sum Park
	but not required. If least two witnesses v an Assignment even	not acknowledged, then it is who sign here. However, the if it has not been acknowled	gment: Acknowledgment before a United States Consul is preferred recommended that the execution by the Inventor(s) be witnessed by a current practice of the U.S. Patent and Trademark Office is to record ged and/or witnessed.)
	Witness		
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RECORDED: 07/10/2001

The undersigned hereby grant(s) to Adam C. Volentine, Reg. No. 33,289, and the firm of JONES VOLENTINE,

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