FORM PTO-1595 (Modified) (Rev. 6-93) OMB No. 0651-0011 (exp.4/94) Copyright 1996-97 LegalStar P08A/REV02			
	RECORDA PA ji	03-11-1999 -	U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office
Tab settings + + + V	▼ 4	100981736	▼ ▼
To the Honorable Commissioner of Pa	tents and Trad	100981730	al documents or copy thereof.
1. Name of conveying party(ies):		2. Name and address of receivi	ng party(ies):
Yong-chul OH			0- 141
Young-Woo PARK	MAL 63 (22)	Name: Samsung Electronics	······································
		Address: <u>416, Maetan-dong</u> ,	Paldal-gu, Suwon-city,
Additional names(s) of conveying party(ies)	🗋 Yes 🖾 No		
3. Nature of conveyance:			
🛛 Assignment	Merger		
Security Agreement	Change of Name	City: Kyungki-do	State/Prov.:
□ Other		Country: Republic of Korea	ZIP:
Execution Date: January 6, 7, 1999		Additional name(s) & address(es)	🗆 Yes 🖾 No
Patent Application No. Filing 09/203,670 Decem	date ber 1, 1998	B. Patent No.(s)	
	Additional numbe	rs 🔲 Yes 🔀 No	
5. Name and address of party to whom o concerning document should be maile	correspondence	rs	and patents involved: 1
5. Name and address of party to whom o	correspondence		
5. Name and address of party to whom o concerning document should be maile	correspondence	6. Total number of applications 7. Total fee (37 CFR 3.41):	\$ 40.00
5. Name and address of party to whom o concerning document should be maile Name: Susan S. Morse	correspondence ed:	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess o credited or debited to de</li> </ul>	or insufficiency should be posit account
5. Name and address of party to whom of concerning document should be mailed Name: <u>Susan S. Morse</u> Registration No. <u>35,292</u>	correspondence ed:	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess of</li> </ul>	or insufficiency should be posit account
<ul> <li>5. Name and address of party to whom a concerning document should be mailed Name: <u>Susan S. Morse</u></li> <li>Registration No. <u>35,292</u></li> <li>Address: <u>Jones, Volentine, Steinberg</u></li> </ul>	correspondence ed:	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess o credited or debited to depited to depited to depited to be charged</li> </ul>	d to deposit account
<ul> <li>5. Name and address of party to whom of concerning document should be mailed Name: Susan S. Morse</li> <li>Registration No. 35,292</li> <li>Address: Jones, Volentine, Steinberg 12200 Sunrise Valley Drive</li> <li>Suite 150</li> </ul>	correspondence ed:	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess of credited or debited to dependent of the charged</li> <li>Authorized to be charged</li> <li>8. Deposit account number:</li> </ul>	ar insufficiency should be posit account
<ul> <li>5. Name and address of party to whom of concerning document should be mailed Name: Susan S. Morse</li> <li>Registration No. 35,292</li> <li>Address: Jones, Volentine, Steinberg 12200 Sunrise Valley Drive</li> <li>Suite 150</li> <li>City: Reston State</li> </ul>	correspondence ed: & Whitt, L.L.P.	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess o credited or debited to depited to depited to depited to be charged</li> </ul>	d to deposit account
<ul> <li>5. Name and address of party to whom of concerning document should be mailed Name: Susan S. Morse</li> <li>Registration No. 35,292</li> <li>Address: Jones, Volentine, Steinberg 12200 Sunrise Valley Drive</li> <li>Suite 150</li> <li>City: Reston State</li> </ul>	correspondence ed: & Whitt, L.L.P. ate/Prov.: VA	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess of credited or debited to dependent of the charged</li> <li>Authorized to be charged</li> <li>8. Deposit account number:</li> </ul>	ar insufficiency should be posit account
<ul> <li>5. Name and address of party to whom of concerning document should be mailed Name: Susan S. Morse</li> <li>Registration No. 35,292</li> <li>Address: Jones, Volentine, Steinberg 12200 Sunrise Valley Drive</li> <li>Suite 150</li> <li>City: Reston State</li> </ul>	correspondence ed: & Whitt, L.L.P. ate/Prov.: <u>VA</u> p: <u>20191</u> DO NO	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess of credited or debited to dege</li> <li>Authorized to be charged</li> <li>8. Deposit account number:</li> <li>50-0238</li> <li>DT USE THIS SPACE</li> </ul>	A content of the second
<ul> <li>5. Name and address of party to whom of concerning document should be mailed Name: Susan S. Morse</li> <li>Registration No. <u>35,292</u></li> <li>Address: Jones, Volentine, Steinberg (12200 Sunrise Valley Drive</li> <li>Suite 150</li> <li>City: Reston Statement and signature. To the best of my knowledge and below</li> </ul>	correspondence ed: & Whitt, L.L.P. ate/Prov.: VA D: 20191 DO NO ef, the foregoing infor	<ul> <li>6. Total number of applications</li> <li>7. Total fee (37 CFR 3.41):</li> <li>Enclosed - Any excess of credited or debited to dege</li> <li>Authorized to be charged</li> <li>8. Deposit account number:</li> <li>50-0238</li> <li>DT USE THIS SPACE</li> </ul>	A content of the second

**REEL: 9795 FRAME: 0743** 

JONES & VOLENTINE L.L.P. (1/97)	ASSIGNMENT				
Insert Name(s) of Inventor(s)	In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned				
	Yong-chul OH				
	Young-Woo PARK				
	and				
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				
Title of Invention	(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				
	A METHOD OF FORMING AN ISOLATION TRENCH IN A SEMICONDUCTOR DEVICE INCLUDING				
	ANNEALING AT AN INCREASED TEMPERATURE				
Date of Signing of Application	for which an application for patent in the United States of America has been executed by the undersigned				
	onJanuary 6, 7, 1999				
	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					

## PATENT REEL: 9795 FRAME: 0744

The undersigned hereby grant(s) to Raymond C. Jones, Reg. No. 34,631 and Adam C. Volentine, Reg. No. 33,289, members of the firm of JONES & VOLENTINE, L.L.P. the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned nan
---

Date <u>06 / Jan / 1999</u> , Name of Inventor <u>Jong</u> - C	hul OH
Date <u>06</u> <u>Jan / 1999</u> , Name of Inventor <u>Jong - C</u> Yong-chil OH Date <u>09 / 0 / / 1999</u> , Name of Inventor <u>Young - Wor</u> Young-Woo PAR Date, Name of Inventor	PARK
Young-Woo PAR Date, Name of Inventor	K '
Date, Name of Inventor	
Date, Name of Inventor	
(Note regarding Witnessing and/or Acknowledgment: Acknown ot required. If not acknowledged, then it is recommended that two witnesses who sign here. However, the current practice of Assignment even if it has not been acknowledged and/or recommended that $\frac{Kwang - Youl CHUN}{Witness}$	the execution by the Inventor(s) be witnessed by at least of the U.S. Patent and Trademark Office is to record an ided.)
Witness Noo hee	7. Jan. 1999
ACKNOWLEDG	MENT
This day of	
to me personally known as the individual(s) who executed the foregoin executed the same of his (their) own free will for the purposes therein	
- SEAL	Official Signature
	Official Title
* * * * * * * * * * * * * * * * * * * *	*****
Applicant Reference No.:IE7208-US Atty Docke	t No.:SEC.566
Serial No.:	Filing Date:
Page 2 of 2	
BECOBDED: 02/02/1909	

RECORDED: 03/02/1999

**REEL: 9795 FRAME: 0745**