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<b>,</b>	To the Honorab	le Commissioner o	M I			ached	original do	cuments or	conv the	reof	
1. Name of conveying party(ies): 10083092					8	ached original documents or copy thereof.					
Hee-Cheol Choi						Address of receiving party(ies):   Name: Samsung Electronics Co., Ltd.,					
	oon Kang		Name:	Samsung	, Electronic	s Co., Ltd.	•				
					Internal A	Address:	<u> </u>	<u> </u>	+ 4		
Additiona	l name(s) of conve	🛛 No						U			
3. Natur	e of conveyanc		Street Address: 416, Maetan-dong, Paldal-ku								
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	Other		×						·····		
Executio	August 21, 1998				Additional name(s) & address attached? 🔲 Yes 🛛 No						
4. Appli	cation number(	s) or patent numbe	r(s):								
If this do	ocument is bein	g filed together wi	th a new applicat	tion, the execu	tion date of	the applicat	tion is:				
A. Patent Application No.(s)						B. Patent No.(s)					
U.S.S.N	. 09/097,935										
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Additional numbers attached?											
	and address of it should be ma	ncerning	6. Total number of applications and registrations 1								
Name:	Anthony						· · · · · · · · · · · · · · · · · · ·				
Internal Address: Lappin & Kusmer LLP					7. Total fee (37 CFR 3.41) \$40.00						
					🛛 Enclo	sed					
					□ Autho	orized to be	charged to	deposit ac	count		
Street Ac	ddress:	200 State Street			8. Deposit	Account Nu	umber:				
		<u> </u>			12-0448						
City:	Boston	State	MA ZIP	02109	(Attach duplicate copy of this page if paying by deposit account)						
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Anthony P. Onello, Jr. Reg. No. 38,572 Anthony P. Onelle J September 10, 1997											
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REEL: 9448 FRAME: 0982

### SAMJ-031

#### ASSIGNMENT

We, Hee-Cheol Choi of 4-301, Yoksam Hansin, Apt., 895-8, Dokok 1-dong, Kangnam-ku, Seoul, Republic of Korea, and Geun-Soon Kang of 203-1010, Sungil Apt., Maetan4-dong, Paldal-ku, Suwon, Kyunggi-do, Republic of Korea, having invented improvements in SWITCHED-CAPACITOR ARRAY described in an application for Letters Patent of the United States, 09/097,935, filed on June 16, 1998, for good and valuable consideration, receipt of which is hereby acknowledged from Samsung Electronics Co., Ltd., a Korean corporation having a place of business at 416, Maetan-dong, Paldal-gu, Suwon-city, Kyungki-do, Republic of Korea (and hereinafter called the Assignee which term shall include its successors and assigns), do hereby sell, assign and transfer unto the Assignee, our entire right, title, and interest, in and throughout the United States of America (including its territories and dependencies) and all countries foreign thereto, in and to and under said application (which term shall include hereinafter where the context so admits all divisional, continuing, reissue and other patent applications based thereon) and the inventions (which term shall include each and every such invention, or part thereof) therein described, and any and all patents and like rights of exclusion (including extensions thereof) of any country which may be granted on or for said inventions or on said application;

And for the same consideration We do also hereby sell, assign, and transfer unto the Assignee, all our rights under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, and all other treaties of like purpose in respect of said inventions and said application, and We do hereby authorize the Assignee to apply in our name or its own name or its designee for patents and like rights of exclusion on or for said inventions in all countries, claiming (if the Assignee so desires) the priority of the filing date of said application under the provisions of said Convention, Treaty or any such other Convention or Treaty;

And for the same consideration, We do hereby agree for ourselves and for our heirs, executors, and administrators, promptly upon request of the Assignee to execute and deliver without further compensation any power of attorney, assignment, original, divisional, continuing, reissue or other application or applications for patent or patents or like rights of exclusion of any country, or other lawful documents and any further assurances that may be deemed necessary or desirable by the Assignee, fully to secure to it said right, title, and interest as aforesaid in and to said inventions, applications, and said several patents and like rights of exclusion (including extensions thereof) or any of them, all, however, at the expense of the Assignee, its successors, or assigns;

And We do hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and the corresponding Official of each country foreign thereto to issue to the Assignee, any and all patents and like rights of exclusion which may be granted in any country upon said United States application on or for said inventions.

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PATENT REEL: 9448 FRAME: 0983 And We do hereby covenant for ourselves and our legal representatives and agree with the Assignee, that We have granted no right or license to make, use, or sell said inventions to anyone except the Assignee, that prior to the execution of this deed our right, title, and interest in and to said inventions has not been otherwise encumbered by us, and that We have not executed and will not execute any instruments in conflict herewith.

First or Sole Inventor:

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Signature:

<u>Hel Cheol Choi</u> Hee-Cheol Choi

Date: <u>Aug. 21. 98</u>.

Second Joint Inventor:

Signature:

Geun-Soon Kang

Date: <u>Hugust.</u> 21. IPP8

DOCKET NO. SAMJ-031 LAPPIN & KUSMER LLP Two Hundred State Street Boston, Massachusetts 02109 (617) 330-1300

- 2 -

PATENT REEL: 9448 FRAME: 0984

# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	Hee-Cheol Choi et al.
Serial Number:	09/097,935
Filing Date:	June 16, 1998
Title:	SWITCHED-CAPACITOR ARRAY
Attorney Docket No.:	SAMJ-031

## CERTIFICATE OF MAILING UNDER 37 U.S.C. § 1.8

I hereby certify that this correspondence is being deposited with the United States Post Office as First Class Mail in an envelope addressed to the Assistant Commissioner for Patents, BOX ASSIGNMENTS, Washington DC 20231.

Date

20231.

BOX ASSIGNMENTS Assistant Commissioner for Patents Washington, DC 20231

Sir:

# TRANSMITTAL LETTER

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

- 1. Assignment of Patent Rights (original signature);
- 2. Form PTO 1595;
- 3. A check in the amount of \$40.00 to cover requisite fee; and
- 4. Return Postcard.

In connection with the foregoing matter, please charge any additional fees which may be due, or credit any overpayment, to Deposit Account Number 12-0448. <u>A duplicate copy of this letter is provided for this purpose</u>.

Respectfully submitted,

LAPPIN & KUSMER LLP

Two Hundred State Street Boston, MA 02109 Telephone: (617) 330-1300 Facsimile: (617) 330-1311

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Anthony P. Ohello, Jr. Registration Number 38,572 Attorney for Applicants

PATENT REEL: 9448 FRAME: 0985

**RECORDED: 09/14/1998**