FORM PTO-1595 (Rev. 6-93)	RECOI	05-08	-2003	EET	U.S. DEPARTMENT C Patent and T	F COMMERCE Trademark Office
OMB No. 0651-0011 (exp. 4/94)						
To the Honorable Comm	13083	1 original documents or copy thereof.				
1. Name of conveying party(ies):		, -		ldress of receiving	g party(ies):	130 P
Jeong-Soo Kang	_	_	Name: Sa	msung Electronic	s. Co., Ltd.	S.S.
4	. 3 6 -63	3	Internal Addre		<u>.</u>	35.0
			Internal Addre			
Additional name(s) of conveying party(ie.	s) attached?	Yes 🛮 No				
3. Nature of conveyance:			Street Address: 416, Maetan-dong, Paldal-gu,			
			Suwon-cit	y, Kyungki-do, Re	epublic of Korea	·····
	□ M	erger				
☐ Security Agreement	□ C	hange of Name	City:	Sta	ate ZIP	
☐ Other					may suidell?	
Execution Date: April 2	2, 2003		Additional name(s)	& address attached?	□ Yes	⊠ No
4. Application number(s) or patent If this document is being filed tog A. Patent Application No.(s)	t number(s): ether with a new app	lication, the execu	ation date of the ap B. Patent No.(s		April 22	2, 2003
	Additional	numbers attached	? □ Yes 🛛	No		
5. Name and address of party to w document should be mailed:	6. Total number of applications and registrations involved					
Name: Anthony P. Onello,	Jr.					
T. 1.11	& ONELLO LLP		7. Total fee (37	CFR 3.41)	\$40.00	
Internal Address: MILLS	☑ Enclosed					
				d to be charged to	deposit account	
Street Address: Eleven Beacon Street, Suite 605			8. Deposit Account Number:			
City: Boston	State MA	ZIP 02108	(Attach duplicate co	opy of this page if pay	ing by deposit account)	
		DO NOT USE T	HIS SPACE			
9. Statement and signature: To the best of my knowledge and is document.	belief, the foregoing	information is tru	e and correct and	any attached copy	v is a true copy of t	he original
Anthony P. Onello, Jr. Reg.	No. 38,572	Sail	trong could	χ	April 30.	2003
	of pages including	Signature cover sheet, attach	,	nent 3	Date	
05/07/2003 ECOOPER 00000157 10426 01 FC:8021	318 40,00 OP					<u></u>

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

J:\SAM\0441\PTO1595.wpd

Reference No.:SAM-0441

ASSIGNMENT

I, Jeong-Soo Kang, of 108-1502, Jugong Apt., Hwanggol Town, Yeongtong-dong, Paldal-gu, Suwon-shi, Gyeonggi-do, Republic of Korea, having invented improvements in FAST FOURIER TRANSFORM APPARATUS, described in an application for Letters Patent of the United States, executed by me of even date herewith, 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 my 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 I do also hereby sell, assign, and transfer unto the Assignee, all my 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 I do hereby authorize the Assignee to apply in my 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, I do hereby agree for myself and for my 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 I 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;

And I do hereby covenant for myself and my legal representatives and agree with the Assignee, that I 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 me, and that I have not executed and will not execute any instruments in conflict herewith.

Page 1 of 2

Reference No.:SAM-0441

First or Sole Inventor:

Signature:

RECORDED: 04/30/2003

Jeong-Soo Kang Jeong-Soo Kang Date: 12 April 2003.

REFERENCE NO. SAM-0441 J:\SAM\0441\assign-one-inv.wpd

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PATENT REEL: 014034 FRAME: 0965