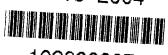
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Form **PTO-1595** (Rev. 10/02)

OMB No. 0651-0027 (exp. 6/30/2005)

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To the Honorable Commissioner of Patents and Trademarks:	Please record the attached original documents or copy thereof.				
1. Name of conveying party(ies): Won-kil CHANG	Name and address of receiving party(ies) Name: SAMSUNG Electronics Co., Ltd.				
1	Internal Address: 416 Mactan-dong, Yeongtong-gu,				
Additional name(s) of conveying party(les) attached? 📮 Yes 🛍 No	Suwon-si, Gyeonggi-do, Korea				
3. Nature of conveyance:					
🖾 Assignment 🖵 Merger					
☐ Security Agreement ☐ Change of Name	Street Address:				
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!	City:State:Zip:				
Execution Date: December 2, 2004	Additional name(s) & address(es) attached? 📮 Yes 🗱 No				
4. Application number(s) or patent number(s):					
If this document is being filed together with a new appli	ication, the execution date of the application is: 12/02/2004				
A. Patent Application No.(s)	B. Patent No.(s)				
1					
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Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:				
Name: Stanzione & Kim, LLP	7. Total fee (37 CFR 3.41)\$ 40.00				
Internal Address: 1740 N St., NW, 1st Fl.	☐ Enclosed				
	Authorized to be charged to deposit account				
Street Address:	8. Deposit account number:				
	502827				
City: Washington State: DC Zip: 20036	(Attach duplicate copy of this page if paying by deposit account)				
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9. Statement and signature.					
To the best of my knowledge and belief, the foregoing i is a true copy of the original document.	information is true and correct and any attached copy				
is a true copy or the original document. Seungman Kim	December 2, 2004				
Name of Person Signing	Signature Date				
1	Total number of pages including cover sheet, attachments, and documents: 2				
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REEL: 016052 FRAME: 0438

Docket No.: 101-1082

U.S. ASSIGNMENT

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the	hB
undersigned Inventor(s) (hereinafter, "ASSIGNOR") by	
(insert Namo(s) & Address(es) of ASSIGNEE(S))	

SAMSUNG Electronics Co., Ltd. 416 Maetan-dong, Yeongtong-gu Suwon-si, Gyeonggi-do Republic of Korea

(hereinafter, "ASSIGNEE"), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled (Title of Invention)

PICKUP DEVICE USED WITH IMAGE FORMING APPARA	108
relating to International Patent Application PCT / was executed on even date herowith or, if not so executed, was	and/or for which application for Letters Patent of the United State
(a) executed on 2 December 2004 :	(Insert date of execution of application, if not concurrent)
(b) filed on	
Sorial No	*** Any registered attorney of Stanzione & Kim, LLP, 1740 N Street, N.W., Washington, D.C. 20036, is hereby authorized to insert in section (b) above the specified data, when known ***

and to said application and all Letters patent(s) of the United States granted on said application and any continuation, division, renewal, substitute, reissue or reexamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be grunted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)").

The ASSIGNOR agree(s), when requested by said ASSIGNEE and without charge to but at the expense of said ASSIGNEE, to do all acts which the ASSIGNEE may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, reexamination, or public use proceeding, and in any litigation or other legal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate assignments and declarations, taking all rightful oaths, providing sworn testimony, and obtaining and producing evidence.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/thoir signature(s).

(Typed Name & Signature of Inventor(s))

(Dute)

(Typed Name & Signature of Witness(es))

1)	Wonkil Chang Won-kil CHANG	2 December 2004	4
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3)			
4)	and the state of t		
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PATENT REEL: 016052 FRAME: 0439