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RECORDA

03-31-2008



Attorney Docket <u>UD 051866-3</u>

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To the Director of Pac 10349313 (with signed English translation	document copy		
1. Name of conveying party(ies):	2. Name and address of receiving party (ies):		
 Tomoyuki HAYASHI Yoshikazu ISHII 3. 	Name: SAMSUNG ELECTRONICS CO., LTD.		
Additional name(s) of conveying party(ies) attached? \[\sum \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Address: 416, MAETAN-DONG, YEONGTONG-GU, SUWON-CITY, KYUNGKI-DO,		
3. Nature of conveyance:	REPUBLIC OF KOREA Additional name(s) & addresses(es) attached? ☐ Yes ☒ No		
Being filed together with a new	v application.		
☐ Patent Application No.(s): 29/294,767	☐ Patent No.(s):		
Additional numbers attached? ☐ Yes	⊠ _{No}		
 5. Name and address of party to whom correspondence concerning document should be mailed: Name: John Richards Address: Ladas & Parry LLP 26 West 61st Street New York, N.Y. 10023	6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) 1 @ \$40.00 each © Check Enclosed Authorized to be charged in whole or in part to: 8. Deposit account number: 12-0425		
9. Signature: John Richards Name of Person Signing	(2008 1297年) 日本の日本の日本の日本の日本の日本日本日本日本日本日本日本日本日本日本日本日本		
Name of Person Signing Signature Total number of pages including coversheet, attachments, and documents:	Date 5		

(Assignment (Document) Cover Sheet—page 2 of 2) 16-6

Practitioner's Docket No. <u>UD 051866-3</u>
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	For:	[] U.S. and/or [] Foreign	n Rights
	For:	[x] U.S. Application or	
		[] U.S. Provisional Applic	ation
	For:	[] U.S. Patent	
	For:	[] PCT Application	
	By:	Multiple Inventors	
ASSIGNMENT OF INVENT	TION ((MULTIPLE INVENTORS)	
In consideration of the payment by ASSIGNE receipt of which is hereby acknowledged, and f			
ASSIGNORS (Inventors):			
Tomoyuki HAYASHI		ki Electric Industry Co., Ltd.	
(type or print name of inventors)		Toranomon 1-chome, Minato	-ku
	Addre	ss Tokyo 105-8460, Japan	Japanese
			Nationality
Yoshikazu ISHII	c/o C	oki Electric Industry Co., Ltd.	
In consideration of the payment by ASSIGN eipt of which is hereby acknowledged, and SIGNORS (Inventors): moyuki HAYASHI ppe or print name of inventors)	7-12	Toranomon 1-chome, Minato	-ku
	Addre	ss Tokyo 105-8460, Japan	Japanese
			Nationality
	Addre	00	
	Addre		Nationality
	Addre	SS	Nationality

Address

Added page(s) for signature by subsequent inventors. Number of pages added

Nationality

(Assignment of Invention—Multiple Inventors—page 1 of 3) 16-3.2

(if assignment is by person or entity to whom invention was previously assigned and this was recorded in PTO, add the following)

Recorde	ea on		Frame
hereby sells	-	and transfers to	
OKI ELEC	TRIC IND	USTRY CO.,LTD.	7-12 TORANOMON 1-CHOME, MINATO-KU
(type or print	name of ASS.	IGNEE)	Address
JAPANESE	<u> </u>		TOKYO 105-8460, JAPAN
Nationality			
and the s	successors,	assigns and legal repres	entatives of the ASSIGNEE
		(complete	one of the following)
[x] [] for the Unit	an und	ire right, title and interestivided and its territorial possessions.	_ percent (%) right, title and interest
		(check the following box, if)	foreign rights are also to be assigned)
[x] A MONITO	improv		luding all rights to claim priority, in and to any and all sed in the invention entitled: UNCTION
Name of in	nventor(s)	Tomoyuki HAYAS	HI and Yoshikazu ISHII
		(check and complete	(a), (b), (c), (d), (e), (f) or (g))
and which is	s found in	(37 C.F.R. 3.21)	
(a)	[]		nt application executed on even date herewith
(b)	[]		nt application executed on
(c)	[]		isional application naming the above inventor(s) for
		ASSIGNOR sig	n 37 C.F.R. 3.21 for recordal of this assignment, I, an gning below, hereby authorize and request my ert below the filing date and application number when
(d)	[x]	U.S. patent application filed on January 25, 200	
(e)	[]	International application	n no. PCT/
(f)	[]	U.S. patent no.	issuedissued
•		[] A change of adopatent maintena	issueddress to which correspondence is to be sent regarding ance fees is being sent separately.

(Assignment of Invention—Multiple Inventors—page 2 of 3) 16-3.2

PATENT REEL: 020748 FRAME: 0090 (g) [] and any legal equivalent thereof in a foreign country, including the right to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

IN WITNESS WHEREOF, We have hereunto set hand and seal

WARNING: The date of signing must be the same as the date of execution of the application, if item (a) was checked above.

Tomoyuki HAYASHI	(x) Tomoyuki 7 fayashi	this	(x) March 7,	2008
(type name of Assignor)	Signature of ASSIGNOR		date of signing	
Yoshikazu ISHII	(x) yashikayu Ashir	this	(x) March 7,	2008
(type name of Assignor)	Signature of ASSIGNOR		date of signing	_
		this		_
(type name of Assignor)	Signature of ASSIGNOR		date of signing	
		this		_
(type name of Assignor)	Signature of ASSIGNOR		date of signing	-
		this	<u>.</u>	_
(type name of Assignor)	Signature of ASSIGNOR		date of signing	_
(if ASSIGNOR is a legal o	entity, complete the following informat	ion)		
	1,72 2	(type or print the name of the above person authorized to sign on behalf of ASSIGNOR)		
	Title			-
	alization is necessary. If the assignmen cof execution. 35 USC 261. Use next p			
[] Notarization	or Legalization Page Added.			

(Assignment of Invention—Multiple Inventors—page 3 of 3) 16-3.2

PATENT REEL: 020748 FRAME: 0091

RECORDED: 03/26/2008