Form PTO-1595 (Rev. 07/05) OMB No. 0651-0027 (exp. 6/30/2008)	0-1595 (Rev. 07/05) . 0651-0027 (exp. 6/30/2008) 06 - 05 - 20		U.S. DEPARTMENT OF COMMERC United States Patent and Trademark	
			HEET Docket#:BD-0701K	
To the Director of the U.S. Pate	1034128	11	ched documents or the new address(es) below.	
1. Name of conveying party(ies) Yuji HIRANO		Name: OKI	d address of receiving party(ies) DATA CORPORATION Iress:	
Security Agreement Ch		Street Addre		
Joint Research Agreement Government Interest Assignment Executive Order 9424, Confirmato Other	ry License	State: Tokyo		
4. Application or patent number(s): A. Patent Application No.(s)	dditional numbers at	B. Paten	peing filed together with a new application. t No.(s) 11 80 2455	
5. Name and address to whom correspondence concerning document should be mailed:		6. Total number of applications and patents involved:		
Name: TAKEUCHI & KUBOTERA, LLP Internal Address: Street Address: 200 DAINGERFIELD ROA	D, SUITE 202	✓ Authoriz	(37 CFR 1.21(h) & 3.41) \$ 40.00 zed to be charged by credit card zed to be charged to deposit account	
City: ALEXANDRIA			equired (government interest not affecting title)	
State: VA Zip: 22	2314	a. Credit	Card Last 4 NumbersExpiration Date	
Phone Number: 703-684-9777		b. Deposit Account Number		
Fax Number: 703-684-1390 Email Address:		Authorized User Name		
9. Signature: Kazunao Kuli Name of Perso			05/24/2007 Date Total number of pages including cover sheet, attachments, and documents:	

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to: Mail Stop Assignment Recordation Services, Director of the USPTO, P.O.Box 1450, Alexandria, V.A. 22313-1450

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PATENT

REEL: 019402 FRAME: 0314

	•	Attorney Reference	BD-076	01K
ASSIGNMENT OF	APPLICATION FOR U	NITED STATES LETTE	RS PATENT	
WHEREAS Yuji HIRAI	NO	_		
hereinafter referred to collectively relating toCOMMUI	as the assignor, has inv	ented a certain improver EVICE	nent	
[X] the inventor(s) declaration	for said application being	na executed concurrent	v with the exe	cution of this
instrument; said application to be	filed in the United States	Patent and Trademark	Office;	
[] said application having been	filed in the United States	Patent and Trademark	Office on,	h:
auth Kubotera, and Satoru Takeuch	orization being hereby g			
Alexandria, VA 22314, to insert				
application serial number of said				***
				·
[] said application having been Serial No.)	, the United S	states of America being o	tesignated.	
AND WHEREAS Oki Data				
Of 11-2	22 Shibaura 4-chome, Mi	nato-ku, Tokyo, 108 Japa	an	
hereinafter referred to as the a	ssignee, is desirous of a	cquiring the entire right	, title and inter	est in and to
said application, including any a any and all patents which ma	nd all divisions and cont	inuations thereof, and if	1 and to said i il renewals r	nvention and eissues and
prolongations thereof;	ay be granted therefor	, including any and a	ii (Circutaio, i	0.00000
NOW THIS WITNESSETH,	that for and in conside	eration of One Dollar (\$	1.00), and oth	er good and
valuable consideration paid by sa	aid assignee to said assi	ignor, the receipt of which	ch is hereby ac	cknowledged
said assignor hereby assigns, s	sells and transfers to sa	id assignee, and said a	assignee's suc	cessors and
assigns, the full and exclusive rig and continuations thereof, and in	nt, title and interest in ar and to said invention an	io to said application, inc d any and all natents wh	ich mav be gra	inted therefor
including any and all renewals,	reissues and prolonga	tions thereof; said assi	gnee, and sai	d assignee's
successors and assigns, to have	, hold, exercise and enjo	y the said application, inc	cluding any and	d all divisions
and continuations thereof, and t	he said invention and a	ny and all patents which	n may be gran	nted therefor
including any and all renewals, re advantages in anywise arising fr	eissues and prolongation	is thereor, with all the rig	jnts, powers, p erm or terms c	orivileges and of any and al
such patents when granted, incli	uding any and all renewa	als, reissues and prolon-	gations thereo	f, for the use
and benefit of said assignee, a	nd said assignee's succ	essors and assigns, in	as ample and	l beneficial a
manner as the said assignor mig	ht or could have held and	d enjoyed the same, if the	is assignment	had not beer
made. AND said assignor hereb	y agrees to perform up	on the request of said a	ssianee or sa	id assignee's
successors or assigns, any and	all acts relating to the ob	taining or to the assertir	ng of said pate	nts, including
any and all renewals, reissues ar	nd prolongations thereof.	-		
AND said assignor autho				arks to issue
Letters Patent on said application to said assignee, and said assignee				
to said assignes, and said assign		ngno, in accordance ner	J. 1712.11.	
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•	1 Det			•
EXECUTED,	April 25		2007.	
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WITNESS:	ASSI	GNOR:		

TAKEUCHI & KUBOTERA, LLP

RECORDED: 05/24/2007

PATENT REEL: 019402 FRAME: 0315