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Atty Docket No.:

FORM PTO-1595 1-31-92

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please	record the attached original documents or copy thereof.	
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Assignment	Additional name(s) and address(es) attached?   Yes No	
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<ul><li>4. Application number(s) or patent number(s):</li><li>If this document is being filed together with a new application, the entire this document is being filed together with a new application.</li></ul>	Recution date of the application is:	
A. Patent Application No.(s) 10/310,837	B. Patent No.(s)	
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5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1	
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## **ASSIGNMENT**

Whereas, I/we,

<u>Name</u>	<u>Address</u>	
	c/o Intellectual Property Department, NTT DoCoMo, Inc.,	
Takayuki ISHIGURO	Sanno Park Tower, 11-1, Nagata-cho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan	
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) Sung Uk MOON	Sanno Park Tower, 11-1, Nagata-cho 2-chome, Chiyoda-ku, Tokyo 100-6150 Japan	
therwise indicated below:	, Serial No	· and
Whereas	, Scharno.	; and
NTT DoCoMo, Inc.		
11-1, Nagatach	no 2-chome, kyo 100-6150 Japan	
11-1, Nagatach Chiyoda-ku, Tol assignee), desires to acquire the atents to be obtained therefor;	kyo 100-6150 Japan entire right, title and interest in the application and invention	
11-1, Nagatach Chiyoda-ku, Tol essignee), desires to acquire the atents to be obtained therefor; NOW THEREFORE, be it k ereby acknowledged, I/WE, as a ansfer, and set over unto the ass is invention and this application, hich may be granted thereon, an	entire right, title and interest in the application and invention known that, for good and valuable consideration from assign assignor(s), have sold, assigned, transferred, and set over, signee, its lawful successors and assigns, MY/OUR entire rand all divisions, and continuations thereof, and all Letters and all reissues thereof; and I/WE hereby authorize and required.	nee, the receipt of which is and do hereby sell, assign, ight, title, and interest in and to Patent of the United States Jest the Commissioner of
11-1, Nagatach Chiyoda-ku, Toleassignee), desires to acquire the eatents to be obtained therefor; NOW THEREFORE, be it knereby acknowledged, IWE, as a ransfer, and set over unto the asset in invention and this application, which may be granted thereon, and	entire right, title and interest in the application and invention known that, for good and valuable consideration from assignassignor(s), have sold, assigned, transferred, and set over, signee, its lawful successors and assigns, MY/OUR entire rand all divisions, and continuations thereof, and all Letters and all reissues thereof; and I/WE hereby authorize and requnited States to issue all Letters Patent for this invention to a	nee, the receipt of which is and do hereby sell, assign, ight, title, and interest in and to Patent of the United States Jest the Commissioner of

AND, I/WE HEREBY further covenant and agree that I/WE will, without further consideration, communicate with assignee, its successors and assigns, any facts known to ME/US respecting this invention and testify in any legal proceeding, sign all lawful papers when called upon to do so, execute and deliver all papers that may be necessary or desirable to perfect the title to this invention in said assignee, its successors and assigns, execute all divisional, continuation, and reissue applications, make all rightful oaths and generally do everything possible to aid assignee, its successors and assigns, to obtain and enforce proper patent protection for this invention in the United States, it being understood that any expense incident to the execution of such papers shall be borne by the assignee, its successors and assigns.

	INVENTORS	DATE SIGNED
1): Name:	Takayuki Shiguro Takayuki ISHIGURO	Dec. 4, 2002
2): Name:	Tosh: Yuki Tutaka ta Toshiyuki FUTAKATA	Pec. 4,2001
3):	Makoto Ito	pec. 4. 2002
Name:	Makoto ITO Sung Uk Anvon	Dec. 4. 2002
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(Legalization not required for recording but is prima facie evidence of execution under 35 U.S.C. § 261)

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PATENT REEL: 013860 FRAME: 0837

**RECORDED: 03/17/2003**