04-18-2000

PATENTS ONLY

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Name of Party(les) conveying an			ess of Party(ies) receiving an interest:	
Toshiro Kawahara Toshio Miki		Name:	NTT Mobile Communications Network, Inc.	
Sanae Hotani Additional name(s) of conveying party(ies) attached? ☐ Yes ☑ No		Street Address: City: State/Zip:	10-1, Toranomon 2-chome Minato-ku, Tokyo 105-8436 JAPAN	
		Additional name(s) a	nd addresses attached? ☐ Yes 🗵 No	
3. Description of the interest conveyor ☐ Assignment	ed: Change of Name	Other:		
Security Agreement	☐ Merger			
Execution Date: <u>12/20/99</u> ; <u>12/23/9</u>				
4. Application number(s) or patent no	umber(s). Additional shee	et attached? ∐ Yes ⊠	No	
If this document is being filed toge	ther with a new application 1 January		f the application is:	
	Dat	· · · · · · · · · · · · · · · · · · ·		
A. Patent Application No.(s)		B. Patent No.(s)		
09 462800	Additional numbers atta			
Name and address of party to who concerning document should be n		Number of applicat	ions and patents involved: 1	
BRINKS HOFER GIL		7. Total fee (37 CFR	3.41) \$ <u>40.00</u>	
P.O. BOX 10395 CHICAGO, IL 60610		Enclosed Authorized to	be charged to Deposit Account No.	
(312)321-4200		23-1925	be charged to Deposit Account No.	
			e any deficiencies in fee or credit any to Deposit Account No. 23-1925.	
DO NOT USE THIS SPACE				
9. Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.				
<u>Tadashi Horie</u> Name of Person Signing	Tailm r sig	nature	<u>January 10, 2000</u> Date	
Total number of pages including cover sheet, attachments, and document: 3				

Rev. Dec.-99

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PATENT REEL: 010692 FRAME: 0523

ASSIGNMENT

WHEREAS, Toshiro Kawahara, Toshio Miki and Sanae Hotani, hereinafter called the "Assignors", have made the invention described in the United States patent application entitled ERROR PROTECTION METHOD AND ERROR PROTECTION DEVICE, executed by Assignors on the same date as this Assignment;

WHEREAS, NTT Mobile Communications Network, Inc., a corporation organized and existing under the laws of Japan, having a place of business at 10-1, Toranomon 2-chome, Minato-ku, Tokyo 105-8436 Japan, hereinafter called the "Assignee", desires to acquire the entire right, title and interest in and to the invention and the patent application identified above, and all patents which may be obtained for said invention, as set forth below;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other valuable and legally sufficient consideration, the receipt of which by the Assignors from the Assignee is hereby acknowledged, the Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer to the Assignee, the entire right, title and interest for the United States in and to the invention and the patent application identified above, and any patents that may issue for said invention in the United States; together with the entire right, title and interest in and to said invention and all patent applications and patents therefor in all countries foreign to the United States, including the full right to claim for any such application all benefits and priority rights under any applicable convention; together with the entire right, title and interest in and to all continuations, divisions, renewals and extensions of any of the patent applications and patents defined above; to have and to hold for the sole and exclusive use and benefit of the Assignce, its successors and assigns, to the full end of the term or terms for all such patents.

The Assignors hereby covenant and agree, for both the Assignors and the Assignors' legal representatives, that the Assignors will assist the Assignee in the prosecution of the patent application identified above; in the making and prosecution of any other patent applications that the Assignee may elect to make covering the invention identified above; in vesting in the Assignee like exclusive title in and to all such other patent applications and patents; and in the prosecution of any interference which may arise involving said invention, or

PATENT REEL: 010692 FRAME: 0524 any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

The Commissioner of Patents and Trademarks is hereby authorized and requested to issue patents to the Assignee in accordance with the terms of this Assignment.

IN TESTIMONY WHEREOF, the Assignors have executed this agreement.

DATE:	70 Dec. 1999	Johna Zawahans
WITNESSED:		Toshiro Kawahara
DATE:	20. Dec. 1899	John Junh
DATE:	10, Acc, 1999	Abetoshi Migazaki
DATE:	23 Dec 1999	Joshin Pal. Toshio Miki
WITNESSED:		
DATE:	23 Rec 1899	John July
DATE:	23 Dec, 1999	Shitishi Migazahi
DATE: WITNESSED:	20 Dec 1999	Sanae Hotani Sanae Hotani
DATE:	20 Dec. 1919	Colina Jush
DATE:	20, Dec, 1999	Ahrtrohi miyozahr

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PATENT REEL: 010692 FRAME: 0526 any such patent application or patent; and that the Assignors will execute and deliver to the Assignee any and all additional papers which may be requested by the Assignee to carry out the terms of this Assignment.

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DATE:	20. Dec 1899	John Junh
DATE:	20, Dec, 1999	- John Junh Aktoshi Miyazahi
DATE:	23 Dec. 1999	Toshio Miki
WITNESSED:		
DATE:	23. lec. 1899	Johnen Juhn
DATE:	23 Dec, 1999	Shitishi Miyazahi
DATE:	20 Dec- 1999	Lance Hotani
WITNESSED:		Sanae Hotani
DATE:	20. lec. 1989	Johna Jush
DATE:	20 Dag 1999	Shitishi minushi

- 2 -

RECORDED: 01/10/2000