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Hideaki OHNISHI Yasushi WATANABE Shoji MORITA		HITACHI, LTI 6-6, Marunou Chiyoda-ku, ¹		17548 U.S. PTC 10/985898
Additional conveying party(ies))			
Nature of conveyance: ASSIGNMENT				
Execution Date: October 25, 2004		Additional name(e)	& address(es) attached?	P NO
Application number(s) or patent number(s)	s):	, admonarriante(s)	ada. ocoloco, allached	110
If this is being filed together with a new a	oplication, the exe	cution date of the app	olication is: Octobe	r 25, 2004
A. Patent Application Number(s):		B. Patent N	Number(s):	
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5. Name and address of party to whom correspondence		6. Total number of applications/patents involved:		
concerning document should be mailed:		7. Total fee (37 C.F	<u> </u>	\$40.00
Pavan K. Agarwal		X Check Enclose	,	•
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PATENT REEL: 015990 FRAME: 0826

ASSIGNMENT

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For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor has sold and assigned, and by these presents hereby sells and assigns, unto

name and address of assignee

HITACHI, LTD.

6-6, Marunouchi 1-chome, Chiyoda-ku,

Tokyo 100-8280 Japan

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Each of the undersigned hereby authorizes and requests the Commissioner of

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Each of the undersigned warrants and covenants that he/she has the full and unencumbered right to sell and assign the interests herein sold and assigned and that he/she has not executed and will not execute any document or instrument in conflict herewith;

Each of the undersigned further covenants and agrees that at any time upon request of said ASSIGNEE, its successors, legal representatives or assigns he/she will communicate to said ASSIGNEE, its successors, legal representatives or assigns all information known to him/her relating to said invention or patent application and that he/she will execute and deliver any papers, make all rightful oaths, testify in any legal proceedings and perform all other lawful acts deemed necessary or desirable by said ASSIGNEE, its successors, legal representatives or assigns to perfect title to said invention, to said application including divisions and continuations thereof and to any and all Letters Patent which may be granted therefor or thereon including reissues reexaminations, or extensions which may be granted therefor or thereon, including reissues, reexaminations, or extensions, in said ASSIGNEE, its successors, or assigns or to assist said ASSIGNEE, its successors, legal representatives or assigns in obtaining, reissuing or enforcing Letters Patent of the United States for said invention;

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names and
signatures
of
inventors

Hideaki Ohnishi	date 1 /25/2004	Yasushi	Watanabe	date 10/25/2004
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Name: Shoji Morita date 10/25/2004

RECORDED: 11/12/2004

date

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