03-01-2006 Form PTO-1595 U.S. DEPARTMENT OF COMMERCE LETTER 1-3-92 Patent and Trademark Office 218/6 103187395 Attorney Docket No.: 81864.0084 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. Name of conveying party(ies): 2. Name and address of receiving party(ies): Teruo MORI **TDK CORPORATION** 1-13-1, Nihonbashi. Junichi TAKAHASHI Chuo-ku, Tokyo 103-8272 Japan Nature of conveyance: Execution Date: December 21, 2005 Additional name(s) & address(es) attached? ☐ Yes ☒ No Application number(s) or patent number(s): If this document is being filed together with a new application, the execution date of the application is: December 21, 2005 A. Patent Application No.(s) B. Patent No.(s) Additional numbers attached?

Yes ☑ No Name and address of party to whom correspondence concerning Total number of applications and patents involved: [1] document should be mailed: Dariush G. Adli, Esq. Total fee (37 CFR 3.41) \$40.00 HOGAN & HARTSON L.L.P. 500 South Grand Avenue, Suite 1900 Los Angeles, CA 90071 ☐ Authorized to be charged to deposit account Deposit account number: 50-1314 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE Statement and signature. To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document. February 8, 2006 OMB No. 0651-0011 (exp. 4/94) Mail documents to be recorded with required cover sheet information to: Mail Stop Assignment Recordation Services Director of the U.S. Patent and Trademark Office P.O. Box 1450 00000077 11350215 2/28/2006 DBYRNE Alexandria, VA 22313-1450 40.00 DP 01 FC:8021

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PATENT REEL: 017674 FRAME: 0861 US-5435 (99P08812)

Attorney Docket No.

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(1-8)	Name(s) of Inventor(s)	(1) (2) (3)	Teruo MORI Junichi TAKAHASHI	(5) (6) (7)
		(4)		(8)
			In consideration of the good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to	
(9)	Name of Assignee	(9)	TDK Corporation	
(10)	State of Incorporation of Assignee	(10)	JAPAN	
(11)	Address of Assignee	(11)	of 1-13-1, Nihonbashi, Chuo-ku, Tokyo 103-8272 Japan (hereinafter designated as the Assignee) the entire worldwide right, title and interest in the invention known as	
(12)	Identification of Invention, such as Title, Case Number or Foreign Application Number	(12)	Japanese Patents Application Nos. 2005-083129 and 2005-034178 for which the undersigned has (have) executed an application for patent in the United States of America and all patent applications in foreign countries corresponding thereto or based thereon.	
(13)	Date(s) of Signing of Declaration	(13)	on Pec. 21, 2005	

- 1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional and continuing United States and foreign applications for the above-identified invention and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.
- 2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.
- 3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.
- 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.
- 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith.

TATENT TRADEMARK OFFICE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: 21th. Dec, 200f Signature of Inventor 1 Torus Mu

Date: 21 th Dec 2005 Signature of Inventor 2 Junichi TAKAHAGHI

5006 02/07 TUE 21:23 FAX 81358212721 大場国際特許事務所 *** Los Angeles(HOCAN)

RECORDED: 02/08/2006

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