03-31-2004 U.S. DEPARTMENT OF COMMERCE Form PTO-1595 Patent and Trademark Office 1-3-92 102712769 Attorney Docket No.: 81864.0037 To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): TDK CORPORATION Tetsuya HIDAKA signed 3/3/04 Kazuya SAKAMOTO signed 3/3/04 1-13-1, Nihonbashi Kazuo SATO signed 2/26/04 Chuo-ku, Tokyo 103-8272 Japan Hironari OKADA signed 3/1/04 Additional name(s) of conveying party(ies) attached?

Yes

No 3. Nature of conveyance: Execution Date: February 26, 2004 and March 1 and 3, 2004 Additional name(s) & address(es) attached? ☐ Yes ☒ No 1080 7889 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: March 3, 2003 B. Patent No.(s) A. Patent Application No.(s) Additional numbers attached?

Yes Total number of applications and patents involved: [1] Name and address of party to whom correspondence concerning document should be mailed: Anthony J. Orler, 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 8. Deposit account number: 50-1314 (Attach duplicate copy of this page if paying by deposit account) DO NOT USE THIS SPACE 9. Statement and signature Itelief, the foregoing is true and correct and any attached copy is a true copy of the original document. To the best Date: March 24, 2004 hony J. Orler OMB No. 0651-0011 (exp. 4/94)

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ASSIGNMENT

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every 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 connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreement. 4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a United States patent to the Assignee. 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Le Patents of the United States resulting from said application or any division or divisions or continuing applications thereof the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the expectation of the undersigned hereby appoints the persons associated with Customer Number: 6) The undersigned hereby appoints the persons associated with Customer Number:							
(3) Kazuo SATO (7) (4) Hironari OKADA (8) In consideration of the good and valuable considerations paid to each undersigned, the undersigned agree(s) to assign, and hereby does a transfer and set over to State of Incorporation of Assignee (9) Name of Assignee (10) State of Incorporation of Assignee (11) Address of Assignee (11) Address of Assignee (11) Address of Assignee (12) Identification of Invention, such as Title, Case Number or Foreign Application Number (12) Identification of Invention, such as Title, Case Number or Foreign Application Number (13) Date(s) of Signing of Declaration (13) Date(s) of Signing of Declaration (13) Date(s) of Signing of Declaration (13) Date(s) of Signing of Signing of Declaration (14) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisions continuing United States and foreign applications for the above-identified invention and also to execute separate assignin 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 me declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every 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 connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreement with claims or provisions of the International Convention for Protection of Industrial Property or similar agreement of the United States resulting from said application or any division or divisions or continuing applications thereof to said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the interest herein assigned, and that he has (they have) not executed any agreement in conflict herewith. (6)	(1-8)	Name(s) of Inventor(s)	(1)	Tetsuya HIDAKA	(5)		
(4) Hironari OKADA (8) In consideration of the good and valuable considerations paid to each undersigned. In undersigned agree(s) to assign, and hereby does a transfer and set over to (9) Name of Assignee (10) State of incorporation of Assignee (11) Address of Assignee (11) Address of Assignee (12) Identification of Invention, such as Title, Case Number or Foreign Application Number (12) Identification of Invention, such as Title, Case Number or Foreign Application Number (13) Date(s) of Signing of Declaration (14) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisions continuing United States and foreign applications for the above-identified invention and also to execute separate assignm in connection with such application or continuation or division thereof and to cooperate with the Assignee in every possible in obtaining evidence and going forward with such interference. (3) The undersigned agree(s) to execute all papers necessary in connection with any interference which may declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every 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 necessar connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreement and the International Convention for Protection of Industrial Property or similar agreement and States patent to the Assignee. (5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Le Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to interest, and hereby covenants that he has (they have) full right to convey the interest herein assigned hereby appoints the persons associated with Customer Number: (6) The undersigned hereby appoints the p			(2)	Kazuya SAKAMOTO			
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(11) Address of Assignee (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 are interest in the invention known as (12) Identification of Invention, such as Title, Case Number or Foreign Application Number (12) Identification Number (13) Date(s) of Signing of United States of America and all patent applications in foreign countries corresponding thereto or based thereon. (13) Date(s) of Signing of Declaration 1) The undersigned agree(s) to execute all papers necessary in connection with any original, reissue, divisional continuing United States and foreign applications for the above-identified invention and also to execute separate assignating 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 declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every 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 connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreement of the United States patent to the Assignee. 5) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a United States patent to the Assignee. 5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Le Patents of the United States resulting from said application or any division or divisions or continuing applications thereoft said Assignee, as Assignee thereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Le Patents of the United States Patent and Trademark Office for recordation of this document. 6) The undersigned hereby appoints th	(9)	Name of Assignee	(9)	TDK Corporation			
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the power to insert on this assignment any further identification which may be necessary or desirable in order to comply the rules of the United States Patent and Trademark Office for recordation of this document. Date: Mar. 3. 2004 Signature of Inventor 1 Jetsuya Hidaka Date: Mar. 3, 2004 Signature of Inventor 2 Kanyuya Sahamoto Date: Feb. 26, 2004 Signature of Inventor 3 Hague Sate	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. 6) The undersigned hereby appoints the persons associated with Customer Number: 0000026021						
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