Atty Docket No.: 2786

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Osamu SHINDO	Name: TDK CORPORATION
Toru MIZUNO Satoshi YAMAGUCHI  12/12/5	Address: 1-13-1, Nihonbashi, Chuo-ki, Tokyo, 103-8272,
Additional name(s) of conveying party(ies) attached? ☐ Yes ■ No	Japan 
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Execution Date: November 15, 15, 16, 2005	Additional name(s) and address(es) attached?   Yes No
4. Application number(s) or patent number(s):	
☐ This document is being filed together with a new application	
A. Patent Application No.(s) 11/233,090	B. Patent No.(s)
Additional numbers attached	rd? □ Yes ■ No
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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PATENT REEL: 017340 FRAME: 0308

## TDK/099/07921US

## **Assignment of Application**

ERT NAMES RESIDENCE RIESS OF INVENTORS:	WHEREAS, I (WE) OSAMU SHINDO, TORU MIZUNO and SATOSHI YAMAGUCHI
	all of citizens of Japan
	residing at c/o TDK Corporation
	1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan
	, respectively
ERT TITLE OF ENTION:	have invented certain new and useful improvements in: CONDUCTIVE BALL BONDING METHOD AND
	CONDUCTIVE BALL BONDING APPARATUS
	(Application No. 11/233,090 , filed September 23, 2005 ), and
	WHEREAS, TDK CORPORATION
PRT NAME DADDRESS OF MPANY OR	G. C. C. A. C. C. A. C. (A. C.
ER ASSIGNEE	(hereinafter referred to as "ASSIGNEE") having a place of business at: 1-13-1, Nihonbashi, Chuo-ku, Tokyo, 103-8272, Japan is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters
	Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign
	countries:

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of 1940 Duke Street, Alexandria, Virginia 22314 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trodemark Office for recordation of this document.

Date: Nov. 15.200	(Signature of Inventor) OSAMU SHINDO
Date: Nov. 15 - 200	(Signature of Inventor) TONU MIZUNO
Date: <u>NOV. 16</u> 300	SATOSH YAMAGUCHI  (Signature of Inventor) SATOSHI YAMAGUCHI
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)
Date:	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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**RECORDED: 12/12/2005** 

PATENT REEL: 017340 FRAME: 0310