Atty Docket No.: 240502US90

FORM PTO-1595 1-31-92

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U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Masahiro NAWA, Kouichi YAMAGUCHI and Motoyuki TOKI MATSUSHITA ELECTRIC WORKS, LTD. Address: 1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686, Japan Additional name(s) of conveying party(ies) attached?

Yes No 11-10-2003 3. Nature of Conveyance: Assignment ☐ Merger ☐ Security Agreement ☐ Change of Name 102597369 □ Other Additional name(s) and address(es) attached? □Yes ■No Execution Date: August 18, 2003 4. 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: B. Patent No.(s) A. Patent Application No.(s) 10/621,385 Additional numbers attached?

Yes

No 5. Name and address of party to whom correspondence 6. Total applications and patents involved: 1 concerning document should be mailed: 7. Total fee (37 CFR 3.41): \$40.00 Customer Number Enclosed ☐ Authorized to be charged to deposit account Tel. (703) 413-3000 8. Deposit account number: 15-0030 Fax. (703) 413-2220 (Attach duplicate copy of this page if paying by deposit account) /07/2003 DBYRHE 00000253 10621385 40.00 BP DO NOT USE THIS SPACE FC:8021 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. Masayasu Mori Name of Person Signing Joseph A. Scafetta, Jr. Registration Number: 47,301 Registration No. 26,803 Total number of pages including this cover sheet: 3 Do not detach this portion Mail documents to be recorded with required cover sheet information to:

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Assignment of Application

Page 1 of 2

	WHEREAS, I (WE)	Masahiro NAWA of Katano-shi, Japan,				
ISERT NAMES						
ND RESIDENCE DDRESS OF HE INVENTORS:	Kouichi YAMAGUCHI of Otsu-shi, Japan, and Motoyuki TOKI of Kyoto-shi, Japan					
						, respectively,
ISERT TITLE F INVENTION:	have invented certain new and useful improvements in:					
	ZrO ₂ -Al ₂ O ₃ Composite Ceramic Material and Production Method Thereof					
ISERT DATE IN- ENTORS SIGNED ECLARATION:		tion for Letters Patent				
ISERT NAME ND ADDRESS OF OMPANY OR THER ASSIGNEE						 L\
		10/621,385				
	WHEREAS, Matsushita Electric Works, Ltd.					
	(hereinafter referred to as "ASSIGNEE") having a place of business at:					
	1048, Oaza-Kadoma, Kadoma-shi, Osaka 571-8686, 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 and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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.

10/01

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 Trademark Office for recordation of this document.

Date:	August 18, 2003	hasakiro hawa
		(Signature of Inventor) Masahiro NAWA
Date:	August 18, 2003	Kouidi Janagnoli (Signature of Inventor) Kouichi (AMAGUCHI
Date:	August 18, 2003	Motoguki Toki
		(Signature of Inventor) Motoyuki TOKI
Date:		
		(Signature of Inventor)
Date:		
_		(Signature of Inventor)
Date:		
		(Signature of Inventor)
Date:		
	· · · · · · · · · · · · · · · · · · ·	(Signature of Inventor)
Date:		
Daie.		(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
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10/01

RECORDED: 11/05/2003

PATENT REEL: 014665 FRAME: 0640