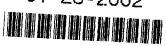
Atty Docket No.: FORM PTO-1595 1-31-92



01-23-2002





To the Honorable Commissioner of Patents and Trademarks. Pleas	e record the attached original accuments or copy thereof.				
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):				
Takao YOKOSHIMA, Toshiyuki CHIBA, Shiro SUGIMURA and Hideki KOBAYASHI	Name: (1) MITSUBISHI MATERIALS CORPORATION (2) FEC CO., LTD.				
Additional name(s) of conveying party(ies) attached? □Yes ■No	Address: (1) 5-1, Otemachi 1-chome, Chiyoda-ku, Tokyo, Japan (2) 1414, Higashi, Utsugi-machi, Kanazawa-				
3. Nature of Conveyance:	shi, Ishikawa-ken, Japan				
■ Assignment □ Merger □ Security Agreement □ Change of Name □ Other					
Execution Date: October 22, 2001	Additional name(s) and address(es) attached? □Yes ■No				
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:				
A. Patent Application No.(s)	B. Patent No.(s)				
09/984,146 Additional numbers atta	l ched? □Yes ■No				
Name and address of party to whom rrespondence concerning document ould be mailed: 22850	6. Total applications and patents involved: 1 7. Total fee (37 CFR 3.41): \$40.00 ■ Enclosed □ Authorized to be charged to deposit account				
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9. Statement and signature					
To the best of my knowledge and belief, the foregoing information of the original document. Marvin J. Spivak					
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PATENT REEL: 012481 FRAME: 0293

	WHEREAS, I (WE) (1) Takao Yokoshima; (2) Toshiyuki Chiba;
	(3) Shiro Sugimura; and (4) Hideki Kobayashi
ERT NAMES O RESIDENCE ORESSES OF E INVENTORS:	Address of (1): c/o MITSUBISHI MATERIALS CORPORATION, MOBILE BUSINESS
	DEVELOPMENT CENTER, 12-14, Koishikawa 1-chome, Bunkyo-ku, Tokyo, Japan;
	Address of (2): c/o MITSUBISHI MATERIALS CORPORATION, BUSINESS STRATEG
	DIVISION, 12-14, Koishikawa 1-chome, Bunkyo-ku, Tokyo, Japan; and
	Address of (3)-(4): c/o FEC CO., LTD., 1414, Higashi, Utsugi-machi,
	Kanazawa-shi, Ishikawa-ken, Japan
	, respectively,
ERT TITLE	ANTENNA
INVENTION:	have invented certain new and useful improvements in:
ERT DATE IN- ITORS SIGNED LARATION:	for which an application for Letters Patent was executed on
	(Application No. 09/984,146 , filed October 29, 2001), and (1) MITSUBISHI MATERIALS CORPORATION; and
ERT NAME D ADDRESS OF MPANY OR HER ASSIGNEE:	WHEREAS, (2) FEC CO., LTD.
	(hereinafter referred to as "ASSIGNEE") having a place of business at:
	(2) 1414, Higashi, Utsugi-machi, Kanazawa-shi, Ishikawa-ken, 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.

1/95

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.

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 Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 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:_	October	22,	2001		(Siknature of Inventor	pola	oslin	_{Or} Takao	Yoko	oshima
Date:_	October	-				ihi (Shiha			
Date:_	October	22,	2001		(Signature of Inventor	_	ginura	Shiro	Sugi	imura
	October				(Signature of Inventor	li da	lazashi	Hideki	Kot	payashi
Date:_					(Signature of Inventor)				
Date:_					(Signature of Inventor)				
Date:_					(Signature of Inventor)				
Date:_					(Signature of Inventor)				

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.

ATTORNEYS AT LAW FOURTH FLOOR 1755 JEFFERSON DAVIS HIGHWAY ARLINGTON, VIRGINIA 22202

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PATENT REEL: 012481 FRAME: 0295