Form **PTO-1595** (Rev. 03/01)

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U.S. DEPARTMENT OF COMMERCE

(Rev. 03/01)				П	E 1	U.S.	Patent and T	rademark Office	
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Atsushi Sakurai and Tadahiro Minamikawa				Name: Murata Manufacturing Co., Ltd.					
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Additional name(s) of conveying party(ies) Additional name(s) of conveying party(ies) Yes X No 3. Nature of Conveyance: X Assignment Merger				Street Address: Murata Manufacturing Co., Ltd. (A170) Intellectual Property Department 26-10, Tenjin 2-chome, Nagaokakyo-shi					
Security Agreement	City: Kyoto-fu								
Security Agreement Change of Name Other				State: Japan Zip: 617-8555					
August 20, 2002 and August 21, Execution Date: 2002				Additional name(s) & address(es) attached: Additional name(s) & Yes x No					
If this document is being filed toget A. Patent Application No.(s): 333 00000023 10236952 40.00 0P		new application, the ex	B. Pate	te of the rent No.(ition is:	<u>Augus</u>	t 21, 2002	
Name and address of party to whom correspondence concerning document should be mailed:				6. Total number of applications and patents involved: 1					
Name: Edward A. Meilman DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP				7. Total fee (37 CFR 3.41) \$ 40.00					
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Richard LaCa		The	hand	α	acon	<u> </u>		er 9, 2002	
Name of Person S	igning		Sigi	nature			Da	ate	

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PATENT REEL: 013278 FRAME: 0275

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WHEREAS, We, Atsushi SAKURAI and Tadahiro MINAMIKAWA, as assignors, have invented certain improvements in ORIENTED FERROELECTRIC THIN-FILM DEVICE AND METHOD FOR MANUFACTURING THE SAME for which an application for United States Letters Patent has been executed by us of even date herewith; and

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Patent that may be granted therefor.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, We, as assignors, hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all other countries, including all rights of priority from the filing of said application, and all rights for past infringement, and the Commissioner of Patents and Trademarks is hereby authorized and requested to issue all patents on said inventions or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for ourselves and our legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Patent on said inventions and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representatives all facts known to the undersigned respecting said inventions, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to assist assignee, its successors, assigns and nominees to obtain patent protection for said invention in the United States and all other countries, the expenses incident to said applications to be borne and paid by said assignee.

Date: _	8/21/2002	atsuska Sakurai				
		Atsushi SAKURAI				
Date: _	8/20/2002	Tadahiro Minamikawa				
		Tadahiro MINAMIKAWA				

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RECORDED: 09/09/2002

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