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U.S. PATENT AND TRAFF

OFFICE

Atty Docket: 36856.387

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Form PT 1-31-92		SHEET SHEET	
	4015582	documents or copy thereof.	
	to a l		
	of conveying party(ies): Ryuhei YOSHIDA and Tsuneo AMANO	Name and address of receiving party(ies): (2a.)	
Additio	onal name(s) of conveying party(ies) attached? □ yes 图no	Name: Murata Manufacturing Co., Ltd. Address: 26-10 Tenjin 2-chome, Nagaokakyo-shi, Kyoto-fu 617-85	
3. N	ame of Conveyance:	(2b.)	
		NameAddress:	
	Assignment	Additional name(s) & address(es) attached? □yes 圏no	
	Other		
Execut	tion Date: November 1, 2000		
4. A	pplication number(s) or patent number(s):		
If this o	document is being filed together with a new application, the execution	on date of the application is: <u>December 1, 2000</u>	
	A. Patent Application No.(s) 09 736653	B. Patent No.(s)	
	Additional numbers att	tached □ yes •□no	
5. Na	me and address of party to whom correspondence concerning ocument should be mailed:	6. Total number of applications and patents involved: one	
Na In	ame: <u>Joseph R. Keating, Esq.</u> ternal Address: <u>KEATING & BENNETT LLP</u>		
St	treet Address: 10400 Eaton Place, Suite 312	7. Total fee (37 CFR 3.41):\$ 40.00	
Ci	ity: Fairfax State: VA ZIP 22030	Enclosed	
		Authorized to be charged to credit card with Credit Card Payment Form (PTO-2038)	
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	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 of 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. Christopher A. Bennett, Reg. No. 46,710 Signature Date		
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Nan	ne of Person Signing	ature Total number of pages comprising cover sheet, attachments and documents	
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Mail	documents to be recorded with required cover sheet information to: Assistant Comr	missioner for Patents Assignment	
l	DUA P	ton, D.C. 20231	

PATENT REEL: 011348 FRAME: 0924

Attorney Docket No.: 36856.387

ASSIGNMENT (WORLDWIDE)

WHEREAS, We, Ryuhei YOSHIDA and Tsuneo AMANO (hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled SUBSTRATE FOR PACKAGING ELECTRONIC COMPONENT AND PIEZOELECTRIC RESONANCE COMPONENT USING THE SAME for which application for Letters Patent of the United States has been

X	executed on even date herewith;	
	filed on	as Serial No

WHEREAS, Murata Manufacturing Co., Ltd., 26-10, Tenjin 2-chome, Nagaokakyoshi, Kyoto-fu 617-8555 JAPAN (hereinafter referred to as ASSIGNEE), is desirous of acquiring the entire interest in, to and under said invention and the United States Letters Patent to be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that in consideration of the payment by ASSIGNEE to ASSIGNOR of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration, ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the full and exclusive right, title and interest to the said invention and all Letters Patent of the United States to be obtained therefor on said application or any continuation, division, renewal, substitute or reissue thereof for the full term or terms for which the same may be granted; and all Letters Patent and applications therefor through the world, including all the rights accruing by virtue of the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent as may be known and accessible to ASSIGNOR and will testify as to the same in any interference or litigation related thereto and will promptly execute and deliver to ASSIGNEE or its legal representative any and all papers, instruments or affidavits required to apply for, obtain, maintain and enforce said application, said invention and said Letters Patent which may be necessary or desirable to carry out the purposes hereof.

Ryuhei Yozhida
Ryuhei YOSHIDA

Tsuneo Amano
Tsuneo AMANO

PATENT REEL: 011348 FRAME: 0925

RECORDED: 12/01/2000