



FORM PTO-1595 1-31-92		12-28-2000		12-14-00 U.S. Department of Commerce Patent and Trademark Office Attorney Docket No. [Text] Attorney Customer Number: 22,852	
		 101564491			
To the Honorable Commissioner of Please record the attached original documents or copy thereof.				ATTN. BOX ASSIGNMENTS	
1. Name of party conveying 50% of assignment: Asahi Kasei Kogyo Kabushiki Kaisha			2. Name and address of party receiving 50% of Assignment: Name: Kazuhiko Yamanouchi		
Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Internal Address:		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger			Street Address: 37-13 Matsugaoka, Taihaku-ku, Sendai-shi, Miyagi 982		
<input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name			City: Sendai-shi		
<input type="checkbox"/> Other: [Describe]			State: Zip Code: Country: Japan		
Execution Date: November 9, 2000			Additional name(s) & Address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:					
A. Patent Application Number(s): <u>U.S.S.N. 09/499,467</u>			B. Patent Number(s): 6,046,524		
Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence concerning document should be mailed: Name: C. Gregory Gramenopoulos			6. Total number of applications and registrations involved: 2		
Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.			7. Total fee (37 CFR 3.41): \$80 <input checked="" type="checkbox"/> Enclosed (Please charge deficiency to deposit account) <input type="checkbox"/> Authorized to be charged to deposit account		
Street Address: 1300 I Street, N.W.					
City: Washington, D.C.					
State: Zip: 20005-3315			8. Deposit Account No.: <u>06-0916</u>		
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.					
 C. Gregory Gramenopoulos Reg. No. 36,532			December 14, 2000 Date		
Total number of pages including cover sheet, attachments and documents: 2					

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PATENT
REEL: 011356 FRAME: 0805

ASSIGNMENT

WHEREAS by virtue of an Assignment recorded in the United States Patent and Trademark Office on Reel 9336, Frame 0915, on July 22, 1998, ASAHI KASEI KOGYO KABUSHIKI KAISHA, No. 2-6, Dojimahama 1-Chome, Kita-ku, Osaka-shi, Osaka 530, Japan (hereinafter referred to as ASSIGNOR), is the owner of the entire right, title, and interest in the United States for an invention entitled "Surface Acoustic Wave Element and Electronic Circuit Using the Same" and all related patent applications and issued Letters Patents of the United States, including United States Patent Application No. 09/499,467, filed February 7, 2000 and United States Patent No. 6,046,524, issued April 4, 2000, in the name of Kazuhiko Yamanouchi, Naohiro Kuze, Yoshihiko Shibata and Yasuhito Kanno and entitled "Elastic Surface Wave Functional Device And Electronic Circuit Using The Element";

WHEREAS, KAZUHIKO YAMANOUCHI, 37-13 Matsugaoka, Taihaku-ku, Sendai-shi, Miyagi 982, Japan (hereinafter referred to as ASSIGNEE), is desirous of acquiring a joint owner and acquiring one half (50%) of the entire right, title and interest for the United States in and to the aforesaid invention and aforesaid United States Application and Letters Patent, including any and all related continuations and divisions thereof, and any and all Letters Patent which may be granted thereon in the United States;


AND FURTHER WHEREAS ASSIGNOR AND ASSIGNEE are desirous of becoming joint owners of the aforesaid invention and aforesaid United States Application and Letters Patent, including any and all continuations and divisions thereof, and the right, title and interest thereof;

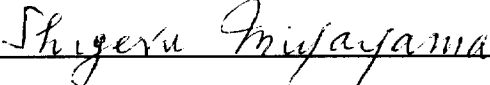
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, ASSIGNOR, has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto ASSIGNEE, its lawful successors and assigns, joint ownership including one half (50%) of the entire right, title, and interest in and to the aforesaid invention and aforesaid United States Application and Letters Patent, including any and all continuations and divisions thereof, and any and all Letters Patent of the United States which may be granted thereon, and all renewals, reissues and prolongations thereof, ASSIGNEE and its assigns and legal representatives to have, hold, exercise and enjoy joint ownership including one half of the aforesaid invention and aforesaid United States Application and Letters Patent, including any and all continuations and divisions thereof, and any and all Letters Patent which may be granted thereon, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges, and advantages in any way arising from or pertaining thereto, for and during the term or terms of the aforesaid United States Letters Patent and any and all other Letters Patent when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of ASSIGNEE and its assigns and legal representatives, as a joint owner with ASSIGNOR;

AND, ASSIGNOR HEREBY further covenants and agrees that ASSIGNOR will execute and deliver all papers that may be necessary or desirable to perfect joint ownership in said ASSIGNEE, its successors and assigns, and that ASSIGNOR will execute all papers necessary in connection with the filing of any and all divisional, continuation, and reissue applications in the United States for the aforesaid invention and aforesaid United States Application and securing Letters Patent thereon;

AND FURTHER ASSIGNOR HEREBY authorizes and requests the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent related to the aforesaid invention and aforesaid United States Application, including any and all continuations and divisions thereof, to ASSIGNOR and ASSIGNEE, as joint owners, in accordance with the terms of this Assignment;

IN TESTIMONY WHEREOF, ASSIGNOR has hereunto set our hand(s) on this Assignment and executed the same on the date indicated below.

FULL NAME OF ASSIGNOR ASAHI KASEI KOGYO KABUSHIKI KAISHA,	ASSIGNOR'S SIGNATURE 	DATE Nov. 9, 2000
ADDRESS OF ASSIGNOR No. 2-6, Dojimahama 1-Chome, Kita-ku, Osaka-shi, Osaka 530		COUNTRY Japan

FULL NAME OF FIRST WITNESS Shigeru Miyayama	FIRST WITNESS'S SIGNATURE 	DATE Nov. 9, 2000
ADDRESS OF WITNESS Yurakucho 1-1-2 Chiyoda-ku Tokyo 100-8440		COUNTRY Japan

FULL NAME OF SECOND WITNESS	SECOND WITNESS'S SIGNATURE	DATE
ADDRESS OF SECOND WITNESS		COUNTRY