

12-14-00

FORM PTO-1595  
1-31-92

12-28-2000



U.S. Department of Commerce  
Patent and Trademark Office  
Attorney Docket No. [Text]  
Attorney Customer Number: 22,852

To the Honorable Commissioner of  
Please record the attached original documents or copy thereof.

101564491

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?  Yes  No

Internal Address:

3. Nature of conveyance:

Street Address: 37-13 Matsugaoka, Taihaku-ku, Sendai-shi, Miyagi 982

Assignment  Merger

City: Sendai-shi

Security Agreement  Change of Name

State: Zip Code: Country: Japan

Other: [Describe]

Additional name(s) & Address(es) attached?

Execution Date: November 9, 2000

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:

A. Patent Application Number(s): U.S.S.N. 09/499,467

B. Patent Number(s): 6,046,524

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

6. Total number of applications and registrations involved:  
2

Name: C. Gregory Gramenopoulos

7. Total fee (37 CFR 3.41): \$80

Internal Address: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

Enclosed (Please charge deficiency to deposit account)  
 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.: 06-0916

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.

December 14, 2000

C. Gregory Gramenopoulos  
Reg. No. 36,532

Signature

Date

Total number of pages including cover sheet, attachments and documents: 2

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01 FC:581 80.00 DP

# 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 of becoming 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;

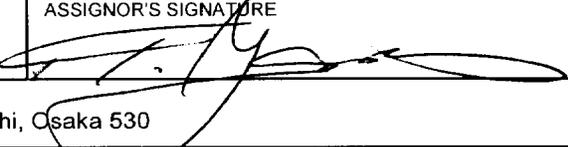
AND FURTHER WHEREAS ASSIGNOR AND ASSIGNEE are desirous of becoming joint owners of the aforesaid invention and aforesaid United States Application and Letters Patent, including any and all continuations and divisions thereof, and the right, title and interest thereof;

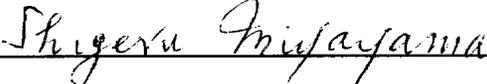
NOW THEREFORE, be it known that, for good and valuable consideration the receipt of which from ASSIGNEE is hereby acknowledged, ASSIGNOR, has sold, assigned, transferred, and set over, and does hereby sell, assign, transfer, and set over unto ASSIGNEE, its lawful successors and assigns, joint ownership 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