

07-25-2002



FORM PTO-1596
1-31-92

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

DOCKET NO.: 2336-121

102168152

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies):

- 1) Yu Seon SHIN
- 2) Seung Hyun RA
- 3) Chang Yong LEE

7-17-02

Additional name(s) of conveying party(ies) attached?

2. Name and address of receiving party(ies):

Name: Samsung Electro-Mechanics Co., Ltd.

Internal Address:

Street Address: 314 Maetan-3-dong, Paldal-ku

City: Suwon

State or Area: Kyungki-do

Zip/Postal Code:

Country: Republic of Korea

Jc715 U.S. PTO
10/196271

07/17/02

3. Nature of conveyance:

- Assignment
- Security Agreement
- Other
- Merger
- Change of Name

Execution Date: July 2, 2002

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

4. Application number(s) or patent number(s):

If the document is being filed together with a new application, the execution date of the application is: July 2, 2002

A. Patent Application No(s):

10196271

B. Patent No(s):

Additional numbers attached?

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

Name:

LOWE HAUPTMAN GILMAN & BERNER (22429)

Internal Address:

Street Address: 1700 Diagonal Road, Suite 310

City: Alexandria State: VA ZIP: 22314

6. Total number of applications and patents involved: one

7. Total fee (37 CFR 3.41)

\$40.00

Credit Card payment form enclosed

Authorized to be charged to deposit account

8. Deposit account number: 07-1337

DO NOT USE THIS SPACE

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.

Benjamin J. Hauptman Reg. No. 29,310
Name and Registration No. of Person Signing

Signature

July 17, 2002
Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

07/22/2002 EFLDRES 00000024 10196271

02 FC:581

40.00 DP

ASSIGNMENT

In consideration of the premises and other good and valuable consideration in hand paid, the receipt and sufficiency of which is hereby acknowledged, the undersigned,

- (1) Yu Seon Shin (4) _____
- (2) Seung Hyun Ra (5) _____
- (3) Chang Yong Lee (6) _____

who have made a certain new and useful invention, hereby sell, assign and transfer unto

SAMSUNG ELECTRO-MECHANICS CO., LTD.
314 Maetan-3-dong, Paldal-ku, Suwon,
Kyungki-do, Republic of Korea

its successors and assigns (hereinafter designated "ASSIGNEE") the entire right, title and interest for the United States of America as defined in 35 U.S.C. 100 in the invention entitled TRIPLEXER AND MULTILAYERED STRUCTURE THEREOF

(a) for which an application for United States Letters Patent was filed on _____, and identified by United States Serial No. _____;

or

(b) for which an application for United States Letters Patent was executed on _____,

and the undersigned hereby authorize and request the United States Commissioner of Patents and Trademarks to issue any and all United States Letters Patent which may be granted therefor and any and all extensions, divisions, reissues, substitutes, renewals, continuations, or continuations-in-part thereof, and the right to all benefits under the International Convention for the Protection of Industrial Property to the said ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives; the undersigned agree that the attorneys of record in said application shall

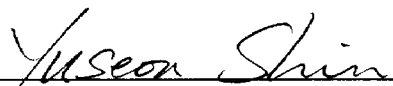
hereafter act on behalf of said ASSIGNEE;

AND the undersigned hereby agree to transfer a like interest, and to render all necessary assistance in making application for and obtaining original, divisional, reissued or extended Letters Patent of the United States, upon request of the said ASSIGNEE, its successors, assigns and legal representatives, and without further remuneration, in and to any improvements, and applications for patent based thereon, growing out of or related to the said invention; and to execute any papers by the said ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

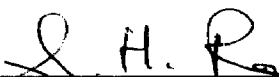
SIGNED on the dates indicated aside our signatures:

INVENTOR(S)

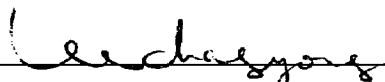
DATE SIGNED

1) 
Name: Yu Seon Shin

July 2, 2002

2) 
Name: Seung Hyun Ra

July 2, 2002

3) 
Name: Chang Yong Lee

July 2, 2002