

FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

01-12-1999

U.S. Department of Commerce
Patent and Trademark Office
PATENT



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**RECORDATION FORM COVER SHEET
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New

Resubmission (Non-Recordation)
Document ID#

Correction of PTO Error
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Conveyance Type

Assignment Security Agreement

License Change of Name

Merger Other

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Name (line 1) Execution Date
Month Day Year

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REEL: 9683 FRAME: 0652

Correspondent Name and Address

Area Code and Telephone Number

(216) 621-1113

Name Don W. Bulson, Esq.

Address (line 1) Renner, Otto, Boisselle & Sklar, P.L.I.

Address (line 2) 1621 Euclid Avenue

Address (line 3) Nineteenth Floor

Address (line 4) Cleveland, Ohio 44115

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

5

Application Number(s) or Patent Number(s)

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Patent Application Number(s)

Patent Number(s)

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If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year
12 10 1998

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT <input type="text"/>	PCT <input type="text"/>	PCT <input type="text"/>
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Number of Properties

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Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

40.00 €

Method of Payment:
Deposit Account

Enclosed Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

18-0988

Authorization to charge additional fees:

Yes No

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. Charges to deposit account are authorized, as indicated herein.

Don W. Bulson

December 16, 1998

Name of Person Signing

Signature

Date

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Execution Date
Month Day Year

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Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

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ASSIGNMENT OF APPLICATION FOR PATENT

WHEREAS, We:

Chul Ho Kim
103-603 Inchung-Prince Apt., Kusung-myun,
Yongin-si, Kyungki-do, Republic of Korea,

Jin Duk Kim
111-405 Shinmaetan Apt., 990 Maetan-dong,
Paldal-ku, Suwon-si, Kyungki-do, Republic of Korea

and

Sang Jun Park
No. 302, 172-27 Maetan-dong, Paldal-ku,
Suwon-si, Kyungki-do, Republic of Korea

have invented a certain invention entitled: **A DUPLEXER DIELECTRIC
FILTER**

for which application for Letters Patent of the United States have been
executed even date herewith

WHEREAS:

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

(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.

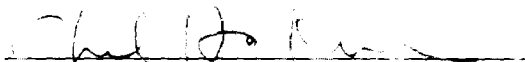
Now, **THEREFORE, TO ALL WHOM IT MAY CONCERN:** Be it known that
for One Dollar(\$1.00) and other good and valuable consideration, receipt
of which is hereby acknowledged, we hereby sell, assign and transfer to
ASSIGNEE, its successors and assign, the entire right, title and interest to
said invention so far as concerns the United States and the Territories
and Possessions thereof, said application and all Letters Patent of the
United States to be obtained 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.


We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

We further covenant 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 us 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.

Date Dec. 10, 1998


Chul Ho Kim

Date Dec. 10, 1998


Jin Duk Kim

Date Dec. 10, 1998


Sang Jun Park