

9/12/03



09-22-2003

D#

FORM PTO-1595
(Rev. 10/02)
OMD No. 0651-0011 (exp. 6/30/2005)



102555108

DEPARTMENT OF COMMERCE
Patent and Trademark Office

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

1. Name of conveying party(ies): Byung Su Kang; Young Wan Kim; Nae-Soo Kim; Deock Gill Oh; Chul Hen Seo; Serk Soon Im; Jae Hoon Kim		2. Name and address of receiving party(ies): Name: Electronics and Telecommunications Research Institute	
Additional name(s) of conveying party(ies) attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes		Internal Address: _____ Street Address: 161, Gajeong-dong, Yuseong-gu	
3. Nature of Conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____		City: Daejeon 305-350 State: _____ ZIP: _____ Country: Republic of Korea	
Execution Date: 5/31/03		Additional name(s) & address(es) attached? <input type="checkbox"/> No <input type="checkbox"/> Yes	
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 is: _____			
A. Patent Application No.(s) 10/452,863		B. Patent No.(s) _____ _____ _____ _____	
Additional numbers attached? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes			
5. Name and address of party to whom correspondence concerning document should be mailed: Name: Blakely, Sokoloff, Taylor & Zafman LLP Internal Address: _____ Street Address: 12400 Wilshire Boulevard 7th Floor City: Los Angeles State: CA ZIP: 90025		6. Total number of applications and patents involved: 1	
		7. Total Fee (37 CFR 3.41).....\$ 40.00 <input type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account	
		8. Deposit Account Number: 02-2666 (Attach duplicate copy of this page if paying by deposit account)	

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

09/17/2003 DBYRNE 00000051 10452863

01 FC:8021

40.00 OP

Eric S. Hyman

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **5**

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No. 51876P341

PATENT
REEL: 014494 FRAME: 0888

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged , the undersigned,

Kim, Young Wan; Kang, Byung Su ; Kim, Nae-soo; Oh, Deock Gil ; Seo, Chul Hen IM, Serk Soon and KIM, Jae Hoon

Hereby sells, assigns, and transfers to:

Electronics and Telecommunications Research Institute

a corporation of Republic of Korea, having a principal place of business at:

161, Gajeong-dong, Yuseong-gu, Daejeon 305-350, Republic of Korea,
("Assignee"), and its successors, assigns and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent,

 which has been executed by the undersigned concurrently herewith,

 x which was filed June2, 2003 and assigned Serial No. 10/452863

and is entitled: OPEN LOOP RESONATOR FILTER USING APERTURE

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be issued in the United States and all foreign countries on said improvements; and in and to all rights of priority resulting from the filing of said United States application;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments powers of attorney and other papers; communicate to said Assignee, its successors, assigns, and representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Date: 5/31, 2003

Kim Young Wan
Name: **Kim, Young Wan**

Date: 5/31, 2003

Kang Byung Su
Name: **Kang, Byung Su**

Date: 5/31, 2003

Kim Nae-soo
Name: **Kim, Nae-soo**

Date: 5/31, 2003

Oh Deock Gil
Name: **Oh, Deock Gil**

Date: 5.31, 2003

Seo Chul Hen
Name: **Seo, Chul Hen**

Date: 5.31, 2003

IM, Serk Soon
Name: **IM, Serk Soon**

Date: 5/31, 2003

KIM, Jae Hoon
Name: **KIM, Jae Hoon**

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

1. Name of conveying party(ies):

**Byung Su Kang; Young Wan Kim; Nae-Soo Kim;
Deock Gill Oh; Chul Hen Seo; Serk Soon Im; Jae
Hoon Kim**

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

☒ No ☐ Yes

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 5/31/03

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

Name: **Electronics and Telecommunications
Research Institute**

Internal Address: _____

Street Address: **161, Gajeong-dong, Yuseong-gu**

City: **Daejeon 305-350** State: _____ ZIP: _____

Country: **Republic of Korea**

Additional name(s) & address(es) attached? ☐ No ☐ Yes

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 is: _____

A. Patent Application No.(s)

10/452,863

B. Patent No.(s)

Additional numbers attached? ☒ No ☐ Yes

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

Name: **Blakely, Sokoloff, Taylor & Zafman LLP**

Internal Address: _____

Street Address: **12400 Wilshire Boulevard
7th Floor**

City: **Los Angeles** State: **CA** ZIP: **90025**

6. Total number of applications and patents involved: **1**

7. Total Fee (37 CFR 3.41).....\$ **40.00**

- ☐ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

02-2666

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

Eric S. Hyman

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: **5**

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No. 51876P341

RECORDED: 09/12/2003

PATENT
REEL: 014494 FRAME: 0891