

01-10-2002

US 010603

Form PTO 1595
(Rev. 6-93)



U.S. Dept. of Commerce
Patent and Trademark Office

101939695

To the Honorable Commiss
copy thereof.

Please record the attached original documents or
copy thereof.

1. Name of conveying party(ies):

JOSEPH MEEHAN
SUNGHYUN CHOI

12/21/01

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

Yes No

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

Name: Koninklijke Philips Electronics N.V.
Internal Address:

Street Address: Groenewoudseweg 1

City: 5621 BA Eindhoven, The Netherlands

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

Yes No

10/028385

3503 U.S. PTO
10/028385
12/21/01

3. Nature of conveyance:

Assignment Merger

Security Agreement Change of Terms

Other

Execution Date: NOVEMBER 15, 16, 2001

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 DECEMBER 21, 2001

A. Patent Application No.(s) B. Patent No.(s)

NON YET Additional numbers attached? Yes No

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

Name: Philips Electronics North America Corporation
Internal Address:

Street Address: 580 White Plains Road

City: Tarrytown State: NY Zip: 10591

6. Total number of applications and patents involved:

7. Total fee (37 CFR 3.41) ...\$40.00

Enclosed Authorized to Deposit Account

8. Deposit Account Number: 14-1270

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

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.

Russell Gross, Reg. 40,007
Name of Person Signing *[Signature]* Signature *12/21/01* Date

Total number of pages including cover sheet, attachments, and document: 3

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

01/09/2002 GTOM11 00000067 141270 10028385

01 FC:581 40.00 CH

mn21grb0.ec0

USA - Domestic 4/87

SOLE/JOINT ASSIGNMENT

Docket No. _____

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) my/our invention relating to ANTENNA SWITCHING BASED ON A PREAMBLE MSE METRIC (FOR IEEE 802.11) as described in the U.S. patent application
[X] executed concurrently herewith,
[] executed on _____,
[] filed in the United States Patent and Trademark Office on _____ as Serial Number _____.

(2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and

(3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutorial actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

4/15/2001 (signature) [Signature] , Assignor
Date (printed name) Joseph Meehan

(signature) , Assignor
Date (printed name) Sunghyun Choi

State of)
County of)

On this _____ day of _____, 19__ before me personally appeared _____

known to me to be the person(s) who executed the foregoing assignment and acknowledged to me that he/they executed this assignment of his/their own free will.

Notary Public

SOLE/JOINT ASSIGNMENT

Docket No. _____

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to Koninklijke Philips Electronics N.V., having a place of business at Groenewoudseweg 1, 5621 BA Eindhoven, NL, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

(1) my/our invention relating to ANTENNA SWITCHING BASED ON A PREAMBLE MSE METRIC (FOR IEEE 802.11) as described in the U.S. patent application

- [X] executed concurrently herewith,
- [] executed on _____,
- [] filed in the United States Patent and Trademark Office on _____ as Serial Number _____,

(2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and

(3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutorial actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

 Date (signature*) _____, Assignor
 (printed name*) Joseph Meehan

11/16/01
 Date (signature*) _____, Assignor
 (printed name*) Sunghyun Choi

State of _____)
 County of _____)

On this _____ day of _____, 19____ before me personally appeared _____,

known to me to be the person(s) who executed the foregoing assignment and acknowledged to me that he/they executed this assignment of his/their own free will.

 Notary Public