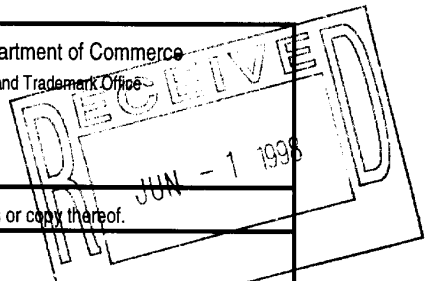


6-1-98

06-16-1998



To the Honorable Commissioner of Patents

100739652

original documents or copy thereof.

1 Name of conveying party(ies):

Ellen Schwartz Torney
Ashok Narayan Prabhu
Attiganal Narayanaswamy Sreeram
Michael James Liberatore

2 Name of receiving party(ies):

Name: Sarnoff Corporation
201 Washington Road
CN 5300
Princeton, NJ 08543

Additional name(s) of conveying
party(ies) attached? ☐ yes ☒ no

SHARP Kabushiki Kaisha

22-22 Nagaïke-cho, Abeno-ku

Osaka 545 Japan

3 Nature of Conveyance:

☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Execution Date: February 25, 1998

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

☐ yes ☒ no

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

If this document is being filed together with a new patent application, the execution date of this application is:

A. Patent Application No.(s) 09/031,745

B. Patent No.(s)

DOCUMENT ID NO.: 100656313

Additional number(s) attached?

☐ yes ☒ no

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

Name: William J. Burke
Law and Patent Operations
Sarnoff Corporation
201 Washington Road
CN 5300
Princeton, NJ 08543

6 Total number of applications and patents involved:

1

7 Total fee (37 CFR 3.41):\$ 40 E

☐ Enclosed
☒ Authorized to be charged to deposit account

8 Deposit Account number: 04-0203

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

06/15/1998 BUYEN 00000195 040203 09031745

01 FC:581

40.00 CH

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9 Statement and signature.

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

John V. Silverio Reg. No. 34,014

Name of Person Signing

Signature

Date

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

4

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, DC 20231

PATENT

REEL: 9236 FRAME: 0637

RECORDATION FORM COVER SHEET -PAGE 2

The parties listed in paragraph 1 have assigned their rights to two receiving parties as in paragraph 2.

The first receiving party, as listed on page 1, is Sarnoff Corporation.

The second receiving party is SHARP CORPORATION, K.K. of Japan.

ASSIGNMENT

I hereby declare that I am an inventor of the invention relating to "MULTILAYER CERAMIC CIRCUIT BOARDS INCLUDING EMBEDDED COMPONENTS" described in an application for Letters Patent of the United States of America filed using the above-listed Attorney Docket Number.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I hereby sell, assign and transfer jointly to SARNOFF CORPORATION, a New Jersey Corporation having a place of business at 201 Washington Road, Princeton, NJ 08540-6449, United States of America, and to SHARP, a corporation duly organized under the laws of Japan, their successors and assigns, my entire right, title and interest, for all countries in and to said inventions, and all the rights and privileges under any and all Letters Patent that may be granted therefor, and any divisions, continuations, reissues and extensions thereof

I agree that, when requested, I will, without charge to said corporations but at their expense, sign all papers, take all rightful oaths, make all rightful declarations, and do all other acts which may be necessary, desirable or convenient for securing and maintaining patents or other forms of protection for said inventions in any and all countries and for vesting title thereto in said corporations, their successors, assigns, or nominees.

I agree that I will communicate to said corporations or their representatives any facts known to me respecting said inventions and, when requested by said corporations and at their expense, will generally do everything possible to aid said corporations, their successors, assigns, and legal representatives or nominees, to obtain or enforce proper protection for said inventions in any and all countries.

I authorize and empower said corporations, their successors, assigns, or nominees, to make application for patent or other form of protection for said inventions in its or their own name, or in my name, in any and all countries and to invoke and claim for any application for patent or other form of protection for said inventions filed by it or them, the benefit of the right or priority by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization

from me.

I hereby consent that a copy of this assignment shall be deemed a full legal and formal equivalent of any assignment, consent to file, or like document which may be required or its successors, assigns, or nominees to apply for patent or other proper protection for said inventions, and to claim the aforesaid benefits of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

I covenant with said corporations, their successors, assigns, legal representatives and nominees, that to the best of my knowledge, the right, title and interest herein conveyed by me are free and clear of any encumbrance, and that I have full right to convey the same as herein expressed.

Date: 2/25/98

By: Ellen Schwartz Tormey
Ellen Schwartz Tormey

1st Witness

JOHN F. O'ROURKE
(Print) (Signature)

2nd Witness

(Print) (Signature)

Date: 2/25/98

By: Ashok Narayam Prabhu
Ashok Narayam Prabhu

1st Witness

JOHN F. O'ROURKE
(Print) (Signature)

2nd Witness

(Print) (Signature)

Date: 02/25/98

By: Attigana Narayanaswamy Sreeram
Attigana Narayanaswamy Sreeram

1st Witness

JOHN F. O'ROURKE
(Print) (Signature)

2nd Witness

(Print) (Signature)

Docket No. DSRC 12232A

Date: 2/25/98 By: Michael James Liberatore
Michael James Liberatore
1st Witness Joseph O'Rourke [Signature]
(Print) (Signature)
2nd Witness _____
(Print) Signature)