

08-29-2003

FORM PTO-1595

(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)



102537786

SHEET U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

Atty Dkt No.: 2002P08979US01

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

1. Name of conveying party(ies):

Radu Victor Balan
Justinian RoscaAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

2. Name and address of receiving party(ies)

Name: Siemens Corporate Research, Inc.

Internal Address:

Street Address: 755 College Road EastCity: Princeton State: NJ ZIP: 08540Additional name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherExecution Date: August 20, 20003

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)

10/454,917

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Elsa Keller

Internal Address:

Siemens CorporationIntellectual Property DepartmentStreet Address: 186 Wood Avenue SouthCity: Iselin State: NJ ZIP: 088306. Total number of applications and patents involved: 17. Total Fee (37 CFR 3.41) \$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account

8. Deposit Account No.

19-2179

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.

Donald B. Paschburg, Reg. No. 33,753

Name of Person Signing

Signature

August 25, 2003

Date

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

08/29/2003 ECUOPER 00000192 192179 10454917

01 FC:8021

40.00 BA

PATENT
REEL: 014426 FRAME: 0198

ASSIGNMENT

For good and valuable consideration, We, Radu Victor Balan, residing at 15 Warwick Rd., West Windsor, NJ 08550, citizen of Romania; Justinian Rosca, residing at 25 Perrine Path, Princeton, NJ 08550, citizen of Romania; hereafter individually or collectively referred to as "Assignor";

Hereby sell, assign and transfer to Siemens Corporate Research Inc. , a corporation organized and existing under the state laws of Delaware, having its principal place of business at 755 College Road East, Princeton, NJ, 08540, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and 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 and filed

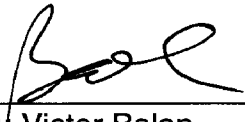
on 06.05.2003, U.S. Serial No.: 10/454,917,
entitled:

**Apparatus and Method for Estimating the Direction of Arrival of a
Source Signal Using a Microphone Array**

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 filed in the United States and all foreign countries on said improvements;

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 legal 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 legal 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.

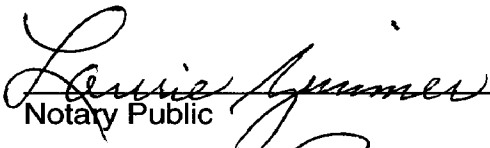


Radu Victor Balan

State of New Jersey)
County of Middlesex) ss

Before me this 20th day of August, 2003 personally appeared Radu Victor Balan to me personally known to be the person who is described in and who executed the above instrument, and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[Seal]



Notary Public

LAURIE ZIMMER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires June 1, 2005



Justinian Rosca

State of New Jersey)
County of Middlesex) ss

Before me this 20th day of August, 2003 personally appeared Justinian Rosca to me personally known to be the person who is described in and who executed the above instrument; and acknowledged to me that he executed the same of his own free will for the purpose therein set forth.

[Seal]



Notary Public

LAURIE ZIMMER
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires June 1, 2005