

01-17-2002



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To the Hon. Commissioner of Patents and Trademarks document to the undersigned attorney.

copy thereof and return the recorded

1. Name of conveying party(ies): LAKSHMINARAYAN VISWANATHAN PIERRE-MARIE PIEL GARRY D. FUNK ROBERT PAUL DAVIDSON

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

Name: Motorola, Inc. Internal Address: Law Department

Street Address: 1303 E. Algonquin Road

City: Schaumburg State: IL Zip: 60196

- [X] Individual [] Association [] General Partnership [] Limited Partnership [] Corporation [] Other

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

3. Nature of conveyance:

- [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other

Execution Date: 12/12/01

- [] Individual(s) citizenship [] Association [] General Partnership - State () [] Limited Partnership - State () [X] Corporation-State (Delaware) [] Other

If assignee is not domiciled in the United States, a domestic representative designation is attached: [] Yes [] No (Designation must be separate from Assignment) Additional name(s) & address(es) attached: [] Yes [X] No

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

A. Application No.(s)

B. Patent No.(s)

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: December 12, 2001

Additional numbers attached? [] Yes [X] No

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

Name: George C. Chen Address: BRYAN CAVE LLP Two North Central Avenue Suite 2200 Phoenix, Arizona 85004-4406 Telephone: (602) 364-7000

6. Total number of applications and patents involved: 1

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

- [X] Enclosed [X] Charge deficiency or credit overpayment to: Deposit Account No. 02-4467

Per Assignment Division directive, a duplicate of this page is not attached

01/14/2002 HMOHAMM1 00000026 10039800

03 FC:581

40.00

DO NOT USE THIS SPACE

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.

George C. Chen

Signature

04 January 2002 Date

Total number of pages submitted: 4

ASSIGNMENT

In consideration of my agreement with Motorola, Inc., and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Lakshminarayan Viswanathan, an individual residing in Phoenix, Arizona; I, Pierre-Marie Piel, an individual residing in Tempe, Arizona; I, Garry D. Funk, an individual residing in Scottsdale, Arizona; and I, Robert Paul Davidson, an individual residing in Chandler, Arizona, hereby assign, transfer, set over, convey, and deliver to Motorola, Inc., a Delaware corporation, having a principal place of business located in Schaumburg, State of Illinois, United States of America, its successors and assigns (collectively referred to herein as "ASSIGNEE") all of my right, title, and interest in, to, and under any and all subject matter of the invention disclosed and/or claimed in the application for United States patent, titled

WIRE BOND-LESS ELECTRONIC COMPONENT FOR USE WITH AN EXTERNAL CIRCUIT AND METHOD OF MANUFACTURE

filed in the U.S. Patent and Trademark Office herewith; in, to, and under the said application and any and all continuation, continuation-in-part, continued prosecution, and divisional applications thereof; in, to, and under, my exclusive right to make and prosecute any and all applications for patents, reissues, renewals, and extensions thereof; in, to, and under any and all patents and Convention and Treaty rights of all kinds, in the United States of America and all other countries throughout the world, for all such subject matter; in, to, and under any and all know-how and/or confidential, proprietary, and/or trade secret information relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to sue for present, past, and future infringement or misappropriation relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to enforce any rights and file any causes of action, in law and/or equity, relating to any such subject matter, applications, patents, and/or technology; and in, to, and under the right to all income, royalties, fees, damages, and payments now or hereafter due or payable in respect to any such subject matter, applications, patents, and/or technology. The right, title, and interest is to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and exclusively as it would have been held and enjoyed by ASSIGNOR had this assignment not been made. I request the applicable official having authority to issue patents and/or corresponding rights to issue same on the subject matter of the said invention(s) to ASSIGNEE, and, if called upon by ASSIGNEE or its legal representatives, I agree to promptly sign any and all documents necessary to secure any and all such patents and/or rights and for issuance of same to ASSIGNEE.

I covenant with Motorola, Inc., its successors, assigns, and legal representatives, that the interest and property hereby conveyed is free from all prior assignment, grant, mortgage, license, or other encumbrance.

I grant to Motorola, Inc., its successors, assigns, and legal representatives the power to insert on this assignment any further identification, including the application number and filing dates, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

I confirm that I have not made any agreement in conflict with this Assignment. I further agree that I will provide information within my knowledge or belief, and do any and all other relevant things that ASSIGNEE or its legal representatives deem necessary or desirable and request of me in connection with obtaining and/or maintaining any such patents and/or rights; in connection with any proceeding, controversy, and/or litigation pertaining to any such patents and/or rights; in order to perfect and/or enforce ASSIGNEE's ownership of the right, title, and interest conveyed by this Assignment; and/or in connection with this Assignment, without payment of consideration to me beyond that called for in my written agreement with ASSIGNEE on the understanding, however, that ASSIGNEE will bear all reasonable expenses actually incurred for or in connection with such matters. This Assignment and the obligations assumed by me shall be binding on my heirs and personal representatives.

Date: DECEMBER 12, 2001

Lakshminarayan Viswanathan

Lakshminarayan Viswanathan

STATE OF ARIZONA ::
COUNTY OF MARICOPA : ss



On this 12th day of December, 2001, Lakshminarayan Viswanathan personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

Dina T. Castelan-Savage

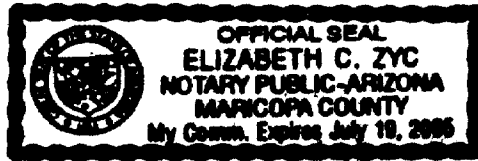
Notary Public

My commission expires Sept 3, 2005

Date: December 12, 2001

P. M. Piel
Pierre-Marie Piel

STATE OF ARIZONA ::
COUNTY OF MARICOPA : ss



On this 12th day of December, 2001, Pierre-Marie Piel personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

Elizabeth C. Zyc

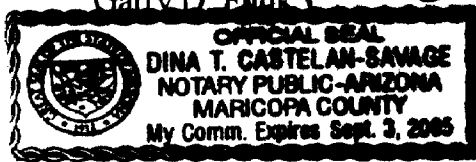
Notary Public

My commission expires July 19, 2005

Date: 12 DEC 01

Garry D. Funk
Garry D. Funk

STATE OF ARIZONA ::
: ss
COUNTY OF MARICOPA :



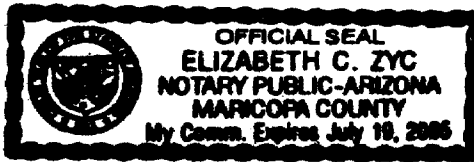
On this 12th day of December, 2001, Garry D. Funk personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

Dina T. Castelan-Savage
Notary Public
My commission expires Sept 3, 2005

Date: 12-12-01

Robert Paul Davidson
Robert Paul Davidson

STATE OF ARIZONA ::
: ss
COUNTY OF MARICOPA :



On this 12th day of December, 2001, Robert Paul Davidson personally appeared before me, identified himself/herself to my satisfaction, and signed the foregoing Assignment in my presence.

Elizabeth C. Zyc
Notary Public
My commission expires July 19, 2005

ASSIGNMENT

In consideration of my agreement with Motorola, Inc., and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, Lakshminarayan Viswanathan, an individual residing in Phoenix, Arizona; I, Pierre-Marie Piel, an individual residing in Tempe, Arizona; I, Garry D. Funk, an individual residing in Scottsdale, Arizona; and I, Robert Paul Davidson, an individual residing in Chandler, Arizona, hereby assign, transfer, set over, convey, and deliver to Motorola, Inc., a Delaware corporation, having a principal place of business located in Schaumburg, State of Illinois, United States of America, its successors and assigns (collectively referred to herein as "ASSIGNEE") all of my right, title, and interest in, to, and under any and all subject matter of the invention disclosed and/or claimed in the application for United States patent, titled

WIRE BOND-LESS ELECTRONIC COMPONENT FOR USE WITH AN EXTERNAL CIRCUIT AND METHOD OF MANUFACTURE

filed in the U.S. Patent and Trademark Office herewith; in, to, and under the said application and any and all continuation, continuation-in-part, continued prosecution, and divisional applications thereof; in, to, and under, my exclusive right to make and prosecute any and all applications for patents, reissues, renewals, and extensions thereof; in, to, and under any and all patents and Convention and Treaty rights of all kinds, in the United States of America and all other countries throughout the world, for all such subject matter; in, to, and under any and all know-how and/or confidential, proprietary, and/or trade secret information relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to sue for present, past, and future infringement or misappropriation relating to any such subject matter, applications, patents, and/or technology; in, to, and under the right to enforce any rights and file any causes of action, in law and/or equity, relating to any such subject matter, applications, patents, and/or technology; and in, to, and under the right to all income, royalties, fees, damages, and payments now or hereafter due or payable in respect to any such subject matter, applications, patents, and/or technology. The right, title, and interest is to be held and enjoyed by ASSIGNEE and its successors and assigns as fully and exclusively as it would have been held and enjoyed by ASSIGNOR had this assignment not been made. I request the applicable official having authority to issue patents and/or corresponding rights to issue same on the subject matter of the said invention(s) to ASSIGNEE, and, if called upon by ASSIGNEE or its legal representatives, I agree to promptly sign any and all documents necessary to secure any and all such patents and/or rights and for issuance of same to ASSIGNEE.

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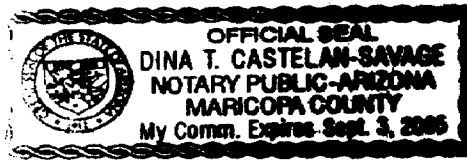
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Date: DECEMBER 12, 2001

Lakshminarayan Viswanathan

Lakshminarayan Viswanathan

STATE OF ARIZONA ::
: ss
COUNTY OF MARICOPA :



On this 12th day of December, 2001, Lakshminarayan Viswanathan personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

Dina T. Castelan-Savage

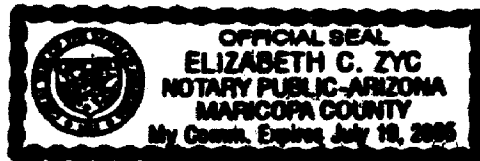
Notary Public

My commission expires Sept 3, 2005

Date: December 12, 2001

Pierre-Marie Piel
Pierre-Marie Piel

STATE OF ARIZONA ::
: ss
COUNTY OF MARICOPA :



On this 12th day of December, 2001, Pierre-Marie Piel personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

Elizabeth C. Zyc

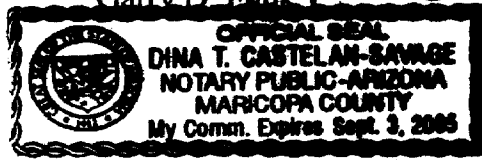
Notary Public

My commission expires July 19, 2005

Date: 12 DEC 01

Garry D. Funk
Garry D. Funk

STATE OF ARIZONA ::
: SS
COUNTY OF MARICOPA :



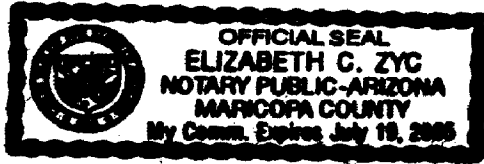
On this 12th day of December, 2001, Garry D. Funk personally appeared before me, identified himself to my satisfaction, and signed the foregoing Assignment in my presence.

Dina T. Castelan-Savage
Notary Public
My commission expires Sept 3, 2005

Date: 12-12-01

Robert Paul Davidson
Robert Paul Davidson

STATE OF ARIZONA ::
: SS
COUNTY OF MARICOPA :



On this 12th day of December, 2001, Robert Paul Davidson personally appeared before me, identified himself/herself to my satisfaction, and signed the foregoing Assignment in my presence.

Elizabeth C. Zyc
Notary Public
My commission expires July 19, 2005