

09-19-2001

ASSI



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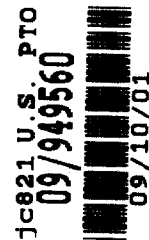
101847807

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)
- a) Yusuf A. Haque
 - b) Benjamin J. McCarroll
 - c) Kevin K. Johnstone

9-10-01



2. Name and address of receiving party(ies):
- a) Name: Maxim Integrated Products
 - Address: 120 San Gabriel Drive
Sunnyvale, CA 94086

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 _____ | <input type="checkbox"/> | License Agreement |

Execution Date: a) August 14, 2001
 b) August 20, 2001
 c) August 13, 2001

4. Application Number(s) or Patent Number(s):

The title of the (new) application is: DATA ENCRYPTION FOR SUPPRESSION OF DATA-RELATED IN-BAND HARMONICS IN DIGITAL TO ANALOG CONVERTERS

5. Please send all correspondence concerning this (these) documents to:

OPPENHEIMER WOLFF & DONNELLY, LLP
 1620 L Street NW
 Suite 600
 Washington, DC 20036

6. Total number of applications and patents involved: 1

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

- Enclosed is Check No. 2575 in the amount of \$40.00
- Authorized to be charged to Deposit Account No. 02-3964 (Order No)

8. 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.

Date: September 10, 2001

Ronald S. Grubb Jr.
 Ronald S. Grubb, Jr.
 Registration No. P-48,672

9/15/2001 AAHMED1 00000045 09949560
 1 11:58:1 40.00 00

Attorney Docket No. 60305-306401

(Revised 01/96)

PATENT
REEL: 012164 FRAME: 0374

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

DATA ENCRYPTION FOR SUPPRESSION OF DATA-RELATED IN-BAND HARMONICS IN DIGITAL TO ANALOG CONVERTERS

(Atty. Docket No.: 60305-306401) for which I (we) have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/we the undersigned inventor(s) hereby:

- 1) Sell(s), assign(s) and transfer(s) to **Maxim Integrated Products** a Delaware corporation having a place of business at 120 San Gabriel Drive, MS 165, Sunnyvale, CA 94086 (hereinafter referred to as ("ASSIGNEE")), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: _____ Date: _____
Typed Name: Yusuf A. Haque

County of _____)
) ss.
State of _____)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Yusuf A. Haque, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (SEAL)

2) Signature: _____ Date: _____
Typed Name: Benjamin J. McCarroll

County of _____)
) ss.
State of _____)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Benjamin J. McCarroll, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (SEAL)

3) Signature: Kevin K. Johnstone Date: 13 Aug. 01
Typed Name: Kevin K. Johnstone

County of Santa Clara)
) ss.
State of California)

On this 13 day of August, in the year 2001, before me, _____, personally appeared Kevin K. Johnstone, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

(SEAL)

ASSIGNMENT OF PATENT APPLICATION

(Accompanying Application)

Whereas I/we the undersigned inventor(s) have invented certain new and useful improvements as set forth in the patent application entitled:

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- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: _____ Date: _____
Typed Name: Yusuf A. Haque

County of _____)
) ss.
State of _____)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Yusuf A. Haque, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (SEAL)

2) Signature: Benjamin J. McCarroll Date: 8/20/01
Typed Name: Benjamin J. McCarroll

County of Washington)
) ss.
State of Oregon)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Benjamin J. McCarroll, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (SEAL)

3) Signature: _____ Date: _____
Typed Name: Kevin K. Johnstone

County of _____)
) ss.
State of _____)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Kevin K. Johnstone, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

(SEAL)

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(Accompanying Application)

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- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s). as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I/we have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date(s) indicated beside my (our) signature(s).

1) Signature: [Handwritten Signature] Date: 8/19/01
Typed Name: Yusuf A. Haque

County of _____ ,
) ss.
State of _____)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Yusuf A. Haque, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (SEAL)

2) Signature: _____ Date: _____
Typed Name: Benjamin J. McCarroll

County of _____ ,
) ss.
State of _____)

On this ____ day of _____, in the year 2001, before me, _____, personally appeared Benjamin J. McCarroll, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____ (SEAL)

3) Signature: _____ Date: _____
Typed Name: Kevin K. Johnstone

County of _____ ,
) ss.
State of _____)

On this _____ day of _____, in the year 2001, before me, _____, personally appeared Kevin K. Johnstone, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature _____

(SEAL)