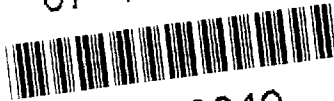


07-10-2002

102149949
ENTIS ONLY

Atty Docket: PHA 50.880

Copy Form PTO-1595
(Rev. 03/01)U.S. DEPARTMENT OF COMMERCE
U.S. Patent and Trademark Office

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

1. Name of conveying party(ies):

Philips Semiconductors, Inc.

8/7/05/02

2. Name and address of receiving party(ies)

Name: KONINKLIJKE PHILIPS ELECTRONICS N.V.

Internal Address: _____

Street Address: Groenewoudseweg 1City: Eindhoven State: _____Country: The Netherlands Zip: 5621 BAAdditional name(s) & address(es) attached? ☐ Yes ☒ NoAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other _____

Execution Date: 05/01/2002

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)

09/560,939

B. Patent No. (s)

NONE

Additional numbers attached? ☐ Yes ☒ No

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

Name: Philips Electronics North America Corp.Internal Address: Intellectual Property & StandardsStreet Address: 580 White Plains RoadCity: Tarrytown State: NY Zip: 105916. Total number of applications & patents involved: ☐ 1

7. Total fee (37 DFR 3.41)

\$ 40.00☐ Enclosed☒ Authorized to be charged to deposit account8. Deposit account number: 14-1270

(Attach duplicate copy of this page if 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.

Edward Blocker, Reg. 30,245

Name of Person Signing

Signature

6/27/02

Date

Total number of pages including cover sheet, attachments, and documents: ☐ 2

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

Commissioner of Patents & Trademarks, Box Assignments
Washington, DC 2023107/09/2002 DBYRNE 00000076 141270 09560939
01 FC:581 40.00 CHPATENT
REEL: 013057 FRAME: 0488

ASSIGNMENT

For good and valuable consideration, below-named Assignor, hereby sells, assigns, and transfers 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, and its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) the invention relating to "**Semiconductor Device With Anti-Reflective Structure and Methods of Manufacture**" as described in the U.S. patent application filed in the United States Patent and Trademark Office on **04/28/2000** as Serial Number **09/560,939**,
- (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.

Authorization is hereby given, and request is hereby made, that these patents be issued to the Assignee.

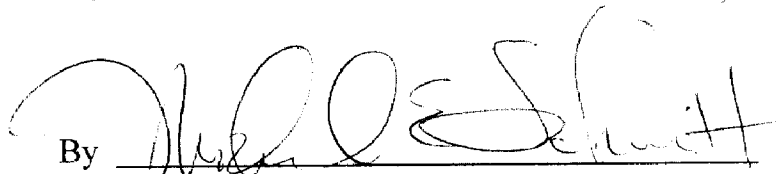
Assignor certifies that it has the full right to convey the above rights which certification is evidenced through attached Appendix B.

ASSIGNOR: PHILIPS SEMICONDUCTORS, INC.

Date

MAY 1, 2002

By



Michael E. Schmitt, Reg 36,921
Principal Attorney / Manager
(408) 617-4745

Appendix B

Ownership of VLSI Technology, Inc.

- B1). Philips Semiconductors, Inc Secretary's Certificate of May 17, 2000.
- B2). Certificate of "Name Change" Amendment of Certificate of Incorporation of July 2, 1999.
- B3). Certificate of Merger of Philips Semiconductors, Inc. and Philips Semiconductors VLSI Inc.
- B4). Philips Semiconductors, Inc. Secretary's Certificate of May 16, 2000.
- B5). State of Delaware Secretary of State certifying the "Name Change" Amendment of B2.
- B6). State of Delaware Secretary of State certifying the Certificate of Merger of B3.
- B7). Philips Semiconductors, Inc. Secretary's Certificate of July 6, 2000 showing ownership of Philips Semiconductors Inc.

Authorized Signatories

- B8). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of **Philips Semiconductors, Inc.**
- B9). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of **U.S. Philips Corporation.**
- B10). Secretary's Certification authorizing Michael Schmitt et al to sign on behalf of **Philips North America Corporation**
- B11). Power of Attorney authorizing Michael Schmitt et al to sign on behalf of **Koninklijke Philips Electronics N.V.**

SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify:

1. that attached is a true and correct copy of Certificate of Amendment of Certificate of Incorporation as filed with the Secretary of State of the State of Delaware on July 2, 1999 changing the name of VLSI Technology, Inc. to Philips Semiconductors VLSI Inc.
2. that attached is a true and correct copy of Certificate of Merger merging Philips Semiconductors Inc. into Philips Semiconductors VLSI Inc. and change of name of survivor Philips Semiconductors VLSI Inc. to Philips Semiconductors Inc. as filed with the Secretary of State of the State of Delaware on December 29, 1999.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal

on May 17, 2000.


Secretary

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 07/02/1999
991273471 - 2125539

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION

VLSI Technology, Inc., a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of VLSI Technology, Inc., by unanimous written consent of its members, filed with the minutes of the board, duly adopted resolutions setting forth a proposed amendment to the Certificate of Incorporation of said corporation, declaring said amendment to be advisable:

RESOLVED, that the Certificate of Incorporation of this Corporation be amended by changing the first Article thereof so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the Corporation is PHILIPS SEMICONDUCTORS VLSI INC."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Section 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said VLSI Technology, Inc. has caused this certificate to be signed by Paul S. Friedlander, its Vice President and attested by Warren T. Oates, Jr., its Assistant Secretary this 2nd day of July, 1999.

VLSI TECHNOLOGY, INC.

By: 

Vice President

ATTEST:


Assistant Secretary

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 09:00 AM 12/29/1999
991566771 - 2125539

CERTIFICATE OF MERGER

OF

PHILIPS SEMICONDUCTORS INC.

AND

PHILIPS SEMICONDUCTORS VLSI INC.

It is hereby certified that:

1. The constituent business corporations participating in the merger herein certified are:

Philips Semiconductors Inc., which is incorporated under the laws of the State of Delaware; and

Philips Semiconductors VLSI Inc., which is incorporated under the laws of the State of Delaware.

2. An Agreement of Merger has been approved, adopted, certified, executed, and acknowledged by each of the aforesaid constituent corporations in accordance with the provisions of subsection (c) of Section 251 of the General Corporation Law of the State of Delaware.

3. The name of the surviving corporation in the merger herein certified is Philips Semiconductors VLSI Inc., which will continue its existence as said surviving corporation under the name Philips Semiconductors Inc. upon the effective date of said merger pursuant to the provisions of the General Corporation Law of the State of Delaware.

4. The Certificate of Incorporation of Philips Semiconductors VLSI Inc. is to be amended and changed by reason of the merger herein certified by striking out Article FIRST, relating to the name, by substituting in lieu thereof the following article:

"FIRST: The name of the Corporation is PHILIPS SEMICONDUCTORS INC."

and said Certificate of Incorporation as so amended and changed shall continue to be the Certificate of Incorporation of said surviving corporation until further amended and changed in accordance with the provisions of the General Corporation Law of the State of Delaware.

5. The executed Agreement of Merger between the aforesaid constituent corporations is on file at an office of the aforesaid surviving corporation, the address of which is as follows: 1251 Avenue of the Americas, New York, NY 10020

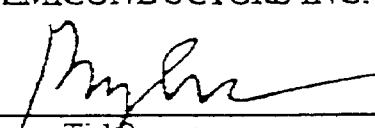
6. A copy of the aforesaid Agreement of Merger will be furnished by the aforesaid surviving corporation, on request, and without cost, to any stockholder of each of the aforesaid constituent corporations.

7. The Agreement of Merger between the aforesaid constituent corporations provides that the merger herein certified shall be effective at 12:02 a.m. January 1, 2000 Pacific Standard Time.

Dated: December 20, 1999

PHILIPS SEMICONDUCTORS INC.


By: _____

(Name, Title)  Belinda W. Chew, Vice President

Dated: December 20, 1999

PHILIPS SEMICONDUCTORS VLSI INC.

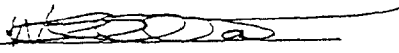
By: _____

(Name, Title)  Warren T. Gates, Jr., Vice President

SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify that the attached is a true and correct copy of Certificate of Merger merging Philips Semiconductors Inc. into Philips Semiconductors VLSI Inc. and change of name of survivor Philips Semiconductors VLSI Inc. to Philips Semiconductors Inc. as filed with the Secretary of State of the State of Delaware on December 29, 1999.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the Corporate Seal
on May 16, 2000.


Secretary

State of Delaware
Office of the Secretary of State

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"PHILIPS SEMICONDUCTORS INC.", A DELAWARE CORPORATION,
WITH AND INTO "PHILIPS SEMICONDUCTORS VLSI INC." UNDER THE NAME OF "PHILIPS SEMICONDUCTORS INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-NINTH DAY OF DECEMBER, A.D. 1999, AT 9 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2000.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



A handwritten signature in cursive script, reading "Edward J. Freel", is written over a horizontal line.

Edward J. Freel, Secretary of State

2125539 8100M

991566771

AUTHENTICATION:

0172467

DATE:

12-30-99

PATENT


REEL: 013057 FRAME: 0496

State of Delaware
Office of the Secretary of State PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "VLSI TECHNOLOGY, INC.", CHANGING ITS NAME FROM "VLSI TECHNOLOGY, INC." TO "PHILIPS SEMICONDUCTORS VLSI INC.", FILED IN THIS OFFICE ON THE SECOND DAY OF JULY, A.D. 1999, AT 9 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.




Edward J. Freel, Secretary of State

AUTHENTICATION: 9846969

DATE: 07-02-1999 PATENT

REEL: 013057 FRAME: 0497

SECRETARY'S CERTIFICATE

I, W. T. OATES, JR., Secretary of Philips Semiconductors Inc., do hereby certify:

1. Philips Semiconductors Inc. is a wholly-owned subsidiary of Philips Holding USA Inc.;
2. Philips Holding USA Inc. is a wholly-owned subsidiary of Koninklijke Philips Electronics N.V.;

IN WITNESS WHEREOF, I have hereunto signed my name and affixed the Corporate Seal at New York, New York, this 6th day of July, 2000.




Secretary

SECRETARY'S CERTIFICATION

I, Warren T. Oates, Jr., Secretary of Philips Semiconductors Inc., do hereby certify that the following resolution was duly adopted by the Board of Directors of this Corporation on April 17, 2001 and such resolution has not been modified or rescinded and is in full force and effect as of the date of this certificate:

RESOLVED, that effective April 1, 2001, Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies) to sign, execute and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country in the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights.

IN WITNESS WHEREOF, I have signed my name and affixed the Corporate Seal at New York, N.Y., this 30th day of May, 2001.


Secretary


SECRETARY'S CERTIFICATION

I, Warren T. Oates, Jr., Assistant Secretary of U.S. Philips Corporation. (the "Corporation"), do hereby certify that the following resolution was duly adopted by the Board of Directors of this Corporation on May 23, 2001 and is in full force and effect as of the date of this certificate:

INTELLECTUAL PROPERTY AUTHORITY

RESOLVED, that effective April 1, 2001, Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies)" to sign, execute, and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country of the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights.

IN WITNESS WHEREOF, I have signed my name and affixed the Corporate Seal at New York, N.Y., this 21st day of June, 2001.



Assistant Secretary

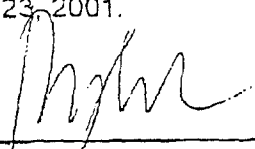
PHILIPS ELECTRONICS NORTH AMERICA CORPORATION


Consent of Directors to Action Taken
Without a Meeting of the Board of Directors

The undersigned, being all the members of the Board of Directors of PHILIPS ELECTRONICS NORTH AMERICA CORPORATION (the "Corporation"), a Delaware corporation pursuant to Section 141(f) of the General Corporation Law of the State of Delaware, hereby unanimously consent to the adoption of the following resolution without a meeting:

RESOLVED, that Matthieu van Kaam, Michael Marion, Jack Haken or Michael Schmitt be and they individually are authorized as "Authorized Signatory(ies)" to sign, execute, and deliver on behalf of the Corporation, all instruments relating to patents, trademarks, or copyright registrations, all license agreements, all petitions, powers of attorney, authorizations, verifications, nominations of representatives, declarations and other instruments relating to proceedings with respect to patents, trademarks or copyrights in the Patent, Trademark Registration or Copyright Offices of any country of the world, or relating to appeal proceedings of that nature and assignments of rights to patents, trademark registrations and copyrights, with immediate effect.

IN WITNESS WHEREOF, the undersigned Directors have executed this Consent as of April 23, 2001.



Belinda W. Chew

William E. Curran