

10-21-2004



To the Honorable Commissioner of Patent

102864803

Original documents or copy thereof.

22154 U.S. PTO
10/963870

101304

1. Name of conveying part(ies):

- | | |
|----------------------|---------------------|
| (1) Shiaw-Lin CHI | (6) Chien-Fei CHENG |
| (2) Kun-Chi LIU | (7) Lieh-Jung CHEN |
| (3) Chien-Wei WANG | (8) Fang-Ni WU |
| (4) Chih-Chien CHANG | (9) Birgie KUO |
| (5) Chang-Hsi LIN | (10) Yi-Fang SU |

Additional name(s) of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Taiwan Semiconductor Manufacturing Co., Ltd.

Street Address: No. 8, Li-Hsin Rd. 6,
Science-Based Industrial Park
Hsin-Chu, Taiwan 300-77,
R.O.C.

Additional name(s) & address(es) attached? ☐ Yes ☒ No

10/13/04

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: | |

Execution Date: September 29, 200

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:
September 29, 2004

A. Patent application No.(s)

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Daniel R. McClure
Thomas, Kayden, Horstemeyer & Risley, L.L.P.
100 Galleria Parkway, Suite 1750
Atlanta, Georgia 30339-5948

6. Total number of applications/patents involved: [1]

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

- ☐ Enclosed
☒ Authorization to charge credit card (attached)

8. Deposit Account Number:

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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.

Daniel R. McClure

Oct 13, 2004

Typed Name

Signature

Date

Docket #: 252011-2680

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

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ASSIGNMENT

WHEREAS, Shiaw-Lin CHI, Kun-Chi LIU, Chien-Wei WANG,
Chih-Chien CHANG, Chang-Hsi LIN, Chien-Fei CHENG, Lieh-Jung
CHEN, Fang-Ni WU, Birgie KUO and Yi-Fang SU
hereafter referred to as ASSIGNOR, has/have invented certain new and useful improvements as described and set forth in the below identified application for United States Letters Patent:

Title: MANUFACTURING MANAGEMENT SYSTEM AND METHOD
Filed: _____ Serial No. _____
Executed on: September 29, 2004

WHEREAS, Taiwan Semiconductor Manufacturing Co., Ltd. of
No. 8, Li-Hsin Rd. 6, Science-Based Industrial Park, Hsin-Chu,
Taiwan 300-77, R.O.C. hereinafter referred to as ASSIGNEE, is desirous of
acquiring ASSIGNOR'S interest in the said invention and application and in any U.S. Letters
Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for
good and valuable consideration, receipt of which is hereby acknowledged by Assignor,
Assignor has/have sold, assigned and transferred, and by these presents does/do sell, assign and
transfer unto the said Assignee, and Assignee's successors and assigns, all his/her/their rights,
title and interest in and to the said invention and application and all future improvements
thereon, and in and to any Letters Patent which may hereafter be granted on the same in the
United States, the said interest to be held and enjoyed by said Assignee as fully and exclusively
as it would have been held and enjoyed by said Assignor had this Assignment and transfer not
been made, to the full end and term of any Letters Patent which may be granted thereon, or of
any division, renewal, continuation in whole or in part, substitution, conversion, reissue,
prolongation or extension thereof.

Assignor further agrees/agree that he/she/they will, without charge to said
Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said
application and/or applications, execute, verify, acknowledge and deliver all such further
papers, including applications for Letters Patent and for the reissue thereof, and instruments of
assignment and transfer thereof, and will perform such other acts as Assignee lawfully may
request, to obtain or maintain Letters Patent for said invention and improvement, and to vest
title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has/have signed his/her/their name(s) on the
date(s) indicated.

Shiaw-Lin Chi
Shiaw-Lin CHI

2004 19 / 29
Date:

Kun-chi Liu
Kun-Chi LIU

2004 19 / 29
Date:

TSMC2003-1630/0503-A30487US

Chien-Wei Wang

Chien-Wei WANG

2004/9/29

Date:

Chih-Chien Chang

Chih-Chien CHANG

2004/9/29

Date:

Chang-Hsi Lin

Chang-Hsi LIN

2004/9/29

Date:

Chien-Fei Cheng

Chien-Fei CHENG

2004/9/29

Date:

Lieh-Jung Chen

Lieh-Jung CHEN

2004/9/29

Date:

Fang-Ni Wu

Fang-Ni WU

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Date:

Birgie Kuo

Birgie KUO

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Date:

Yi-Fang Su

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2004/9/29

Date:

TSMC2003-1630/0503-A30487US

RECORDED: 10/13/2004

PATENT
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