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1. Name of conveying party(ies):

Shye-Lin WU

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

TEXAS INSTRUMENTS - ACER INCORPORATED
No. 6, Creation Road 2
Science-Based Industrial Park
Hsinchu
TAIWAN, R.O.C.

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

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

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other:

Execution Date: 5 February 1998

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)

08/954,413

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Michael D. Schumann
Address: Merchant, Gould, Smith, Edell,
Welter & Schmidt, P.A.
3100 Norwest Center
90 South Seventh Street
Minneapolis, MN 55402-4131

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Please charge any additional fees or credit any overpayments to our Deposit account number: 13-2725

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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.

Michael D. Schumann

Name of Person Signing

Signature

23 February 1998

Date

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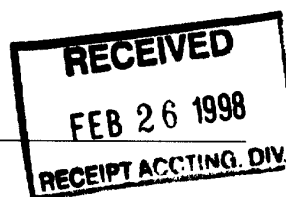
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PATENT
REEL: 9054 FRAME: 0270



ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) METHOD FOR FORMING A DRAM CELL WITH A MULTIPLE PILLAR-SHAPED CAPACITOR

The PATENT RIGHTS referred to in this agreement are:

(check one) ☐ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.

☒ U.S. patent application Serial No. 08/954,413 filed OCT. 20, 1997

☐ a U.S. patent application based on PCT International Application

No. _____ filed on (date) _____ (U.S. patent application Serial No. _____, if known).

☐ U.S. patent No. _____ issued _____.

The PATENT RIGHTS also include all divisions reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

(check one) ☒ U.S. patent rights only.

☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is (or are) the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

(Name of Assignee) Texas Instruments - Acer Incorporated

(Address) NO.6, CREATION RD.2, SCIENCE-BASED INDUSTRIAL PARK, HSINCHU,
TAIWAN, R.O.C.

The ASSIGNEE is:

(check one) ☐ An individual.

☐ A Partnership.

☒ A Corporation of TAIWAN, R.O.C. (specify state or country)

☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 119, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

ASSIGNEE: Texas Instruments - Acer Incorporated

As to all U.S. patent applications assigned under this agreement, the ASSIGNOR(S) hereby authorize(s) and request(s) the Commissioner of Patents and Trademark to issue all Letters Patent to the ASSIGNEE as the assignee of the entire right, title and interest, for the sole use and enjoyment of said ASSIGNEE, its successors and assigns.

The ASSIGNOR(S) authorize(s) the attorneys and agents who have the power of attorney in this application to check any appropriate boxes and to insert the Serial Number and filing date in this document after it has been executed.

PATENT
REEL: 9054 FRAME: 0272

ASSIGNMENT

This assignment agreement is applicable to an invention entitled (Invention Title) METHOD FOR FORMING A DRAM CELL WITH A MULTIPLE PILLAR-SHAPED CAPACITOR

The PATENT RIGHTS referred to in this agreement are:

- (check one) ☒ a patent application for this invention, executed by the ASSIGNOR(S) concurrently with this assignment.
- ☐ U.S. patent application Serial No. _____ filed _____
- ☐ U.S. patent application based on PCT International Application to _____ (filed in water) _____ (U.S. patent application Serial No. _____ (known))
- ☐ U.S. patent No. _____ issued _____

The PATENT RIGHTS also include divisions, reissues, continuations and extensions of the patents and patent applications identified above.

The PATENT RIGHTS assigned under this agreement are:

- (check one) ☒ U.S. patent rights in:
- ☐ Worldwide patent rights. In this case, the assignee shall have the right to claim the benefit of the filing date of any U.S. or foreign patent application for this invention.

The ASSIGNOR(S) referred to in this agreement is/are the inventor(s) whose signatures appear on page 2 of this Assignment and any Supplemental Sheet(s).

The ASSIGNEE referred to in this agreement is:

Name of Assignee: TEXAS INSTRUMENTS ACER CORPORATION

Address: NO. 16, CREATION ROAD, SCIENCE-BASED INDUSTRIAL PARK, HSIENCHU,
TAIWAN, R.O.C.

The ASSIGNEE is:

- (check one) ☐ An individual
- ☐ A Partnership
- ☒ A Corporation of TAIWAN, R.O.C. (specify state or country)
- ☐ (other) _____

The ASSIGNOR(S), in consideration of \$10.00 paid by the ASSIGNEE, and other good and valuable consideration, receipt of which is acknowledged, hereby assign(s) the following rights to the ASSIGNEE, its successors and assigns:

the full and exclusive right to the invention;

the entire right, title and interest in and to the PATENT RIGHTS;

the right to sue and recover for any past infringement; and

the right to claim priority under 35 USC 110, 35 USC 120, or any other applicable provisions, based on any earlier patent applications for this invention.

PATENT
REEL: 8794 FRAME: 0290

PATENT
REEL: 9054 FRAME: 0273

INVENTION TITLE METHOD FOR FORMING A DRAM CELL WITH A MULTIPLE
PILLAR-SHAPED CAPACITOR

Further, the ASSIGNOR(S) agree(s) to communicate to said ASSIGNEE, or its representatives, any fact known to the ASSIGNOR(S) with respect to said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal, reexamination and reissue applications, execute all necessary assignment papers to cause and aid the Patent to be issued to said ASSIGNEE, make all rightful oaths, and generally do everything necessary or desirable to aid said ASSIGNEE, its successors and assigns, to obtain and enforce proper protection for said invention.

Shye-Lin Wu Shye-Lin Wu 10/8/87
Name of sole or first inventor Signature Date

Name of second inventor, if any	Signature	Date
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Name of third inventor, if any	Signature	Date
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Name of fourth inventor, if any	Signature	Date
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Name of fifth inventor, if any	Signature	Date
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Name of sixth inventor, if any	Signature	Date
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Name of seventh inventor, if any Signature Date:

Name of eighth inventor, if any	Signature	Date
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PATENT
PATENT
REEL: 8794 FRAME: 0291
REEL: 9054 FRAME: 0274