

11-22-1999

FORM PTO-1595  
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OMB No. 0651-0011 (exp. 4/94)

RECO



U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

MRD 11.08.99

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To the Honorable Commissioner of Patents

Record the attached original documents or copy thereof.

1 Name of conveying parties: 1) NICOLE RUTHERFORD, 2) JAMES S. DRAGE, 3) RON KATSANES, 4) HUI-JUNG WU, 5) TERESA RAMOS

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

3 Nature of conveyance:

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

Execution Date 1) 9/8/99; 2) 8/30/99;  
3) & 4) 9/1/99; 5) 9/9/99

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

Name: ALLIEDSIGNAL INC.

Internal Address: PATENT DEPARTMENT

Street Address: 101 COLUMBIA ROAD

City: MORRISTOWN State: NJ Zip: 07962

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

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): 09/379,484  
B. Filed: August 23, 1999  
C. Title: Nanoporous Silica Treated with Siloxane Polymers for ULSI Applications

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: LESLIE WEISE

Internal Address: ALLIEDSIGNAL INC

PATENT DEPARTMENT

Street Address: 101 COLUMBIA ROAD

City: MORRISTOWN State: NJ Zip: 07962

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. Deposit account number:

01-1125

(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

LESLIE WEISE

Name of Person Signing

Signature

November 4, 1999

Date

Total number of pages including cover sheet, attachments, and document: 6

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

Assistant Commissioner for Patents, Box Assignments

Washington, D.C. 20231

11/22/1999 DNGUYEN 00000028 011125 09379484

01 FC:581

( 40.00 CH )

PATENT  
REEL: 010385 FRAME: 0540

# ASSIGNMENT

Assignment before issue of Letters Patent

Allied File 30-4583 (4780)

WHEREAS, Nicole Rutherford, James S. Drage, Ron Katsanes, Hui-Jung Wu and Teresa Ramos (hereinafter "Assignor") have invented certain new and useful improvements in **NANOPOROUS SILICA TREATED WITH SILOXANE POLYMERS FOR ULSI APPLICATIONS** (hereinafter "invention") for which Assignor is making or has made application for LETTERS PATENT OF THE UNITED STATES, which application has been duly executed by Assignor on the day(s) and date(s) of these presents.

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 8 day of Sept, 19 99  
Nicole Rutherford NICOLE RUTHERFORD

IN TESTIMONY WHEREOF, I have hereunto set my hand this 30 day of Aug, 19 99  
James S. Drage JAMES S. DRAGE

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of Sept, 19 99  
Ron Katsanes RON KATSANES

IN TESTIMONY WHEREOF, I have hereunto set my hand this 1 day of Sept., 19 99  
HUI-JUNG WU

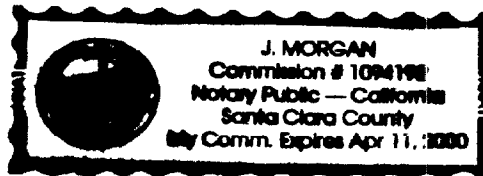
IN TESTIMONY WHEREOF, I have hereunto set my hand this 9 day of Sept., 19 99  
TERESA RAMOS

IN TESTIMONY WHEREOF, I have hereunto set my hand this \_\_\_\_\_, 19 \_\_\_\_\_

STATE OF CALIFORNIA )

COUNTY OF Santa Clara )

SS.: )



On this 14th day of September, 19 99 before me personally appeared  
NICOLE RUTHERFORD

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and S he \_\_\_\_\_ acknowledged to me that S he \_\_\_\_\_ executed the same.

[SEAL]

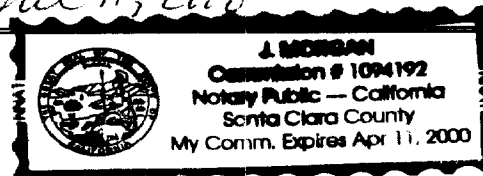
My commission expires: April 11, 2000

Notary Public

STATE OF CALIFORNIA )

COUNTY OF Santa Clara )

SS.: )



On this 30th day of August, 19 99 before me personally appeared  
JAMES S. DRAGE

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
individual

and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

My commission expires: April 11, 2000

Notary Public

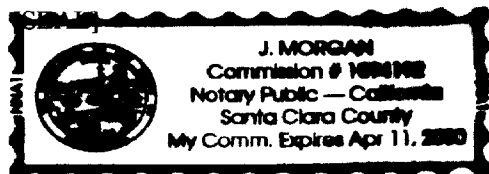
STATE OF CALIFORNIA )

COUNTY OF Santa Clara )

SS.: )

On this 1st day of September, 19 99 before me personally appeared  
RON KATSANES

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.



My commission expires: April 11, 2000

Notary Public

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara ) SS.:



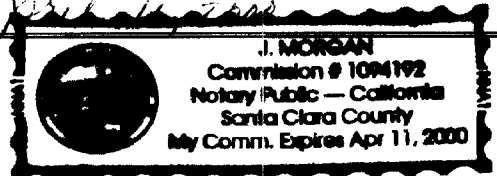
On this 1st day of September, 19 99 before me personally appeared  
HUI-JUNG WU

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

My commission expires: April 11, 2000 Notary Public

STATE OF CALIFORNIA )  
COUNTY OF Santa Clara ) SS.:



On this 9th day of September, 19 99 before me personally appeared  
TERESA RAMOS

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,

and S he \_\_\_\_\_ acknowledged to me that S he \_\_\_\_\_ executed the same.

[SEAL]

My commission expires: April 11, 2000 Notary Public

STATE OF \_\_\_\_\_ )  
COUNTY OF \_\_\_\_\_ ) SS.:

On this \_\_\_\_\_ day of \_\_\_\_\_, 19 \_\_\_\_\_ before me personally appeared

to me known and known to me to be the individual \_\_\_\_\_ described in and who executed the foregoing instrument,  
and \_\_\_\_\_ he \_\_\_\_\_ acknowledged to me that \_\_\_\_\_ he \_\_\_\_\_ executed the same.

[SEAL]

My commission expires: \_\_\_\_\_ Notary Public

**Assignment**

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NICOLE RUTHERFORD  
JAMES S. DRAGE  
RON KATSANES  
HUI-JUNG WU  
TERESA RAMOS

TO  
**ALLIEDSIGNAL INC.**

**INVENTION:**  
NANOPOROUS SILICA TREATED  
WITH SILOXANE POLYMERS FOR  
ULSI APPLICATIONS

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**Allied File: 30-4583 (4780)**

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AlliedSignal Inc.

**PATENT**

**RECORDED: 11/08/1999**

**REEL: 010385 FRAME: 0545**