

02-28-2002

MH-5092

RECO:



P.

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10/075330
02/14/02
JCS 78 U.S. PTO

To the Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Jyhchau Horng
Jinyun Zhang
Philip Orlik

02/14/02

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

3. Nature of Conveyance:

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

Execution Date(s): 1/12/2002

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

Name: Mitsubishi Electric Research Laboratories, Inc.

Street Address: 201 Broadway

City: Cambridge State: MA Zip: 02139

Additional name(s) and 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: **February 12, 2002**

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:

Name: Mitsubishi Electric Research Laboratories, Inc.

Street Address: 201 Broadway

City: Cambridge State: MA Zip: 02139

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

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

☐ Enclosed

☒ Authorized to be charged to deposit account

8. Deposit account number: 50-0749

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.

Andrew J. Curtin

Name of Person Signing

Signature

2-14-2002

Date

Total number of pages comprising cover sheet: [1]

02/27/2002 RANMED1 00000230 500749 10075330
01 FC:581 40.00 CH

ASCVRLTR.FRM
FIG 1/93

PATENT
REEL: 012608 FRAME: 0731

ASSIGNMENT

WHEREAS, we, Jyhchau Horng, Jinyun Zhang and Philip Orlik have made certain inventions or discoveries (or both) set forth in an Application for Letters Patent of the United States of America entitled **Signal Circulation for Adaptive Signal Equalization in Digital Communication Systems**, the specification of which:

 X was executed by us on the date indicated below;
 was filed on as Application Serial No. ;
 was patented under U.S. Patent No. on ;

WHEREAS, Mitsubishi Electric Research Laboratories, Inc., a corporation of the State of Delaware, whose address is 201 Broadway, Cambridge, Massachusetts 02139, and who, together with its successors and assigns is hereinafter called "Assignee", is desirous of acquiring the entire right, title, and interest together with the benefits and privileges hereinafter recited;

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservation;

1. Assign, transfer and convey to Assignee the entire right, title and interest together with the benefits and privileges in and to said inventions and discoveries, said Application for Letters Patent or similar forms of protection of the United States of America, and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation and convention applications based in whole or in part upon said inventions or discoveries, or upon said application, and any and all Letters Patent, reissues and extensions of Letters Patent or similar forms of protection granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications and said Letters Patent;

2. Authorize Assignee to file patent applications in any or all countries or groups of countries on any or all of said inventions and discoveries in our name or in the name

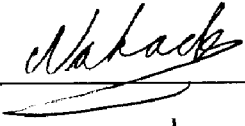
IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: _____


Jyhchau Horng

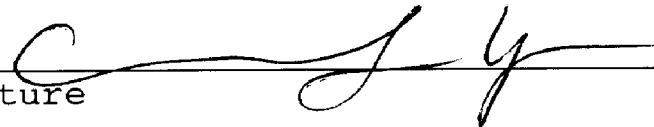
Date: 2/12/02

Witnessed: YVES-PAUL NAKACHE
Printed Name


Signature

2/12/02
Date

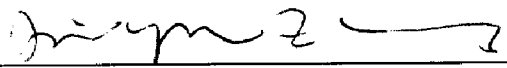
Witnessed: Charles You
Printed Name


Signature

2/12/02
Date

IN WITNESS WHEREOF:

DATE I SIGNED INVENTOR'S DECLARATION: _____


Jinyun Zhang

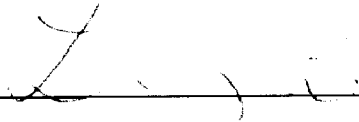
Date: 2/12/02

Witnessed: _____
Printed Name


Signature

2/12/02
Date

Witnessed: Huifang Sun
Printed Name

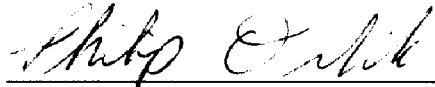

Signature

2/12/02
Date

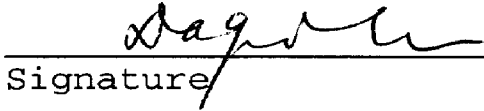
Ling Li

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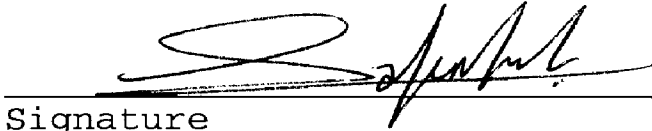
DATE I SIGNED INVENTOR'S DECLARATION: _____



Philip Orlik

Date: 2/12/02Witnessed: Daqing Gu
Printed Name

Signature

2/12/02
DateWitnessed: ZAFER SAHINOGLU
Printed Name

Signature

02/12/02
Date