

6/3/02

RECORDATION C

06-10-2002



102117055

APPLICATION

NAME OF CONVEYING PARTY : **Hiddenori AKITA, Hiroshi KATSURAGAWA
Tao ZHANG, and Tie LIU**

NAME OF RECEIVING PARTY : (1)**OKI ELECTRIC INDUSTRY CO., LTD.**
(2)**OKI TECHNO CENTRE SINGAPORE PTE LTD.**

ADDRESS OF RECEIVING PARTY : (1) 7-12, Toranomom 1-chome, Minato-ku, Tokyo, Japan
(2) 20 Science Park Rd., 02-06/10, Teletech Park,
Singapore Science park II, Singapore 117674

NATURE OF CONVEYANCE : Assignment of U.S. Patent Application

CONVEYANCE EXECUTION DATE : April 26, May 2, 7 and 7, 2002 (respectively)

PATENT APPLICATION NO. : To be assigned

PATENT APPLICATION FILING DATE : June 3, 2002

APPLICATION FILED TOGETHER
WITH THIS DOCUMENT : YES

APPLICATION EXECUTION DATE : April 26, May 2, 7 and 8, 2002 (respectively)

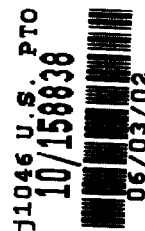
CORRESPONDENCE
ADDRESS : **RABIN & BERDO, P.C.**
1101 14th Street, N.W., Suite 500
Washington, DC 20005
(Customer No: 23995)

ATTORNEY REFERENCE : OKI 299

TOTAL NUMBER OF PATENTS
AND APPLICATIONS INVOLVED : One

TOTAL FEE PAID : \$40.00

METHOD OF PAYMENT : ☒ Enclosed
☐ Authorized to be charged to
deposit account



10/158838

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.

Steven M. Rabin (Reg. No. 29,102)

June 3, 2002
Date

Total number of pages including cover sheet, attachments and document: 5.

06/04/2002 HLE333 00000025 10158838

02 FC:581

40.00 DP

FEE ENCLOSED: \$40.
Please charge any further
fee to our Deposit Account
No. 18-0002

PATENT
REEL: 012955 FRAME: 0748

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**WHEREAS** Hidenori AKITAhereinafter referred to collectively as the assignor, has invented a certain improvement relating to RECEIVING CIRCUIT

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on, _____ authorization being hereby given to my attorneys, **Steven M. Rabin, Robert H. Berdo, Jr. and Phillip G. Avruch** of RABIN & BERDO, P.C, 1101 14th Street, Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No.

) the application serial number of said application when known;

[] said application having been filed under the Patent Cooperation Treaty on _____, Serial No.) _____, the United States of America being designated.

AND WHEREAS Oki Electric Industry Co., Ltd. of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan
And Oki Techno Centre Singapore Pte Ltd. of 20 Science Park Road #02-06/10, Teletech Park,
Singapore Science park II, Singapore 117674

hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;

NOW THIS WITNESSETH, that for and in consideration of One Dollar (\$1.00), and other good and valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged, said assignor hereby assigns, sells and transfers to said assignee, and said assignee's successors and assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions and continuations thereof, and in and to said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof; said assignee, and said assignee's successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions and continuations thereof, and the said invention and any and all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof, with all the rights, powers, privileges and advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and benefit of said assignee and said assignee's successors and assigns, in as ample and beneficial a manner as the said assignor might or could have held and enjoyed the same, if this assignment had not been made.

AND said assignor hereby agrees to perform, upon the request of said assignee, or said assignee's successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including any and all renewals, reissues and prolongations thereof.

AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue Letters Patent on said application, and on any and all divisions and continuations thereof, to said assignee, and said assignee's successors and assigns, in accordance herewith.

EXECUTED, 26, April, 2002.**WITNESS:****ASSIGNOR:**Signature: Toshiko ShimazakiSignature: Hidenori AkitaName: Hidenori AKITA**RABIN & BERDO, P.C.**

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**WHEREAS** Hiroshi KATSURAGAWAhereinafter referred to collectively as the assignor, has invented a certain improvement
relating to RECEIVING CIRCUIT[X] the inventor(s) declaration for said application being executed concurrently with the execution of this
instrument; said application to be filed in the United States Patent and Trademark Office;


[] said application having been filed in the United States Patent and Trademark Office on,

_____ authorization being hereby given to my attorneys, **Steven M. Rabin, Robert H. Berdo,
Jr. and Phillip G. Avruch** of RABIN & BERDO, P.C, 1101 14th Street, Suite 500, Washington, D.C. 20005, to
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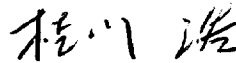
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Serial No.) _____, the United States of America being designated.**AND WHEREAS** Oki Electric Industry Co., Ltd. of 7-12, Toranomon 1-chome, Minato-ku, Tokyo, JapanAnd Oki Techno Centre Singapore Pte Ltd. of 20 Science Park Road #02-06/10, Teletech Park,
Singapore Science park II, Singapore 117674hereinafter referred to as the assignee, is desirous of acquiring the entire right, title and interest in and to said
application, including any and all divisions and continuations thereof, and in and to said invention and any and
all patents which may be granted therefor, including any and all renewals, reissues and prolongations thereof;**NOW THIS WITNESSETH**, that for and in consideration of One Dollar (\$1.00), and other good and
valuable consideration paid by said assignee to said assignor, the receipt of which is hereby acknowledged,
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assigns, the full and exclusive right, title and interest in and to said application, including any and all divisions
and continuations thereof, and in and to said invention and any and all patents which may be granted therefor,
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successors and assigns, to have, hold, exercise and enjoy the said application, including any and all divisions
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advantages in anywise arising from or appertaining thereto, for and during the term or terms of any and all such
patents when granted, including any and all renewals, reissues and prolongations thereof, for the use and
benefit of said assignee, and said assignee's successors and assigns, in as ample and beneficial a manner as
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successors or assigns, any and all acts relating to the obtaining or to the asserting of said patents, including
any and all renewals, reissues and prolongations thereof.AND said assignor authorizes and requests the Commissioner of Patents and Trademarks to issue
Letters Patent on said application, and on any and all divisions and continuations thereof,
to said assignee, and said assignee's successors and assigns, in accordance herewith.EXECUTED, 2nd May, 2002.**WITNESS:**

Signature: _____

**ASSIGNOR:**

Signature: _____

Name: Hiroshi KATSURAGAWA**RABIN & BERDO, P.C.**

Attorney Reference _____

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**WHEREAS** Tao ZHANGhereinafter referred to collectively as the assignor, has invented a certain improvement relating to RECEIVING CIRCUIT

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on,

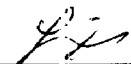
_____ authorization being hereby given to my attorneys, **Steven M. Rabin, Robert H. Berdo, Jr. and Phillip G. Avruch** of RABIN & BERDO, P.C, 1101 14th Street, Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No.

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TENG LI**ASSIGNOR:**Signature:  May, 7, 2002
Name: Tao ZHANG**RABIN & BERDO, P.C.**

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT**WHEREAS** Tie LIUhereinafter referred to collectively as the assignor, has invented a certain improvement relating to RECEIVING CIRCUIT

[X] the inventor(s) declaration for said application being executed concurrently with the execution of this instrument; said application to be filed in the United States Patent and Trademark Office;

[] said application having been filed in the United States Patent and Trademark Office on,

_____ authorization being hereby given to my attorneys, **Steven M. Rabin, Robert H. Berdo, Jr. and Phillip G. Avruch** of RABIN & BERDO, P.C, 1101 14th Street, Suite 500, Washington, D.C. 20005, to insert here in parentheses (Application Serial No.

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EXECUTED, May - 07, 2002.**WITNESS:**

Signature: _____

Junchen Du**ASSIGNOR:**

Signature: _____

Tie LiuName: Tie LIU**RABIN & BERDO, P.C.****PATENT****RECORDED: 06/03/2002****REEL: 012955 FRAME: 0752**