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1100 NEW YORK AVENUE, N.W.

05-12-1998



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TO THE ASSISTANT COMMISSIONER FOR PATENTS WASHINGTON, D.C. 20231



IN AFFILIATION WITH FITCH, EVEN, TABIN & FLANNERY CHICAGO, ILLINOIS SAN DIEGO, CALIFORNIA

Attorney

Reference: MAEDA 3277.01

BOX ASSIGNMENT

REQUEST FOR RECORDING AND COVER SHEET UNDER 37 C.F.R. 3.28 AND 3.31

Please record the attached original document(s) or copy(ies) thereof.

Name of parties conveying the interest: 1.

Yasuhiro SHIN and Teruyuki FUJII

Registration Number:

2. Name and address of party receiving the interest:

> Oki Electric Industry Co., Ltd. 7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

- 3. Description of the interest conveyed or transaction to be recorded: [X] Assignment [] Other:
- 09/069941 4. Application Number: To be Assigned Patent Number:
 - Document filed together with a patent application executed on April 2, 1998
- 5. Address correspondence concerning this request to: SPENCER & FRANK Suite 300 East, 1100 New York Avenue, N.W., Washington, D.C. 20005-3955

| /6 | Number of Appli | cations, Pa | ents or Regist | trations and | total fee: | |
|-----------------------|------------------|-------------|-----------------|--------------|--------------|---------|
| / 05/06/1998 BWRSHING | Number of Applix | patent rig | jhts @ \$40 | | Total: | \$40.00 |
| 02 FC:581 | If no fee is at | tached, or | if a greater on | r lesser fee | is required, | please |

charge or credit our Account No. 19-3700.

- 7. Date of execution of document: April 2, 1998
- If document is an assignment of a trademark right to an assignee who is not domiciled in the United States, such assignee has designated a domestic representative [] per attached designation [] other:

- To the best of knowledge and belief of the undersigned, the foregoing 9. information is true and correct and any attached copy is a true copy of the original document.
- Date: April 30, 1998 10.

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D14 11= 1

Name: <u>Robert J. Frank</u>

Registration Number: 19,112

PATENT

REEL: 9149 FRAME: 0516

RJF/jh

ASSIGNMENT OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket MAEDA 3277.01

| whereas Yasuniro SHIN and Teruyuki FUJII c/o Oki Electric Industry Co., I | |
|--|---|
| . 7-12, Toranomon 1-chome, Minato- | |
| hereinafter (collectively) referred to as the relating to KEY INTERFACE CIRCUIT WITH RE | assignor, has invented a certain improvement |
| for thich gold agains has sound as and | |
| for which said assignor has caused an applica prepared, | tion for united States Letters Patent to be |
| <pre>[x] the inventor declaration for said applicat execution of this instrument; said application and Trademark Office;</pre> | ion being executed concurrently with the to be filed in the United States Patent |
| [] said application having been filed in the | United States Patent and Trademark Office on |
| , Serial Number said application having been filed under the | : [11 KNOWN]; we Patent Cooperation Treaty on |
| , Serial | ne Patent Cooperation Treaty on |
| AND WHEREAS Oki Electric Industry Co., Lt | ∴d. |
| 7-12, Toranomon 1-chome, Mina | |
| | |
| | |
| referred to as the assignee, is desirous of ac | |
| in and to said application, including any and | all divisions and continuations thereof, and |
| in and to said invention and any and all pater any and all renewals, reissues and prolongation | nts which may be granted therefor, including |
| NOW THIS WITNESSEIH, that for and in cons | sideration 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 hassignee, and said assignee's successors and | mereby assigns, sells and transfers to said |
| title and interest in and to said application | n, including any and all divisions and con- |
| tinuations thereof, and in and to said inven | tion and any and all patents which may be |
| granted therefor, including any and all renewa | ls, reissues and prolongations thereof; said |
| assignee, and said assignee's successors and as said application, including any all division | signs, to have, hold, exercise and enjoy the |
| invention and any all patents which may be gra- | nted therefor, including any and all renewa- |
| ls, reissues and prolongations thereof, with | h all the rights, powers, privileges and |
| advantages in anywise arising from or apperts | lining thereto, for and during the term or |
| terms of any and all such patents when grante and prolongations thereof, for the use and be | nefit of said assignee, and said assignee's |
| successors and assigns, in as ample and benefi | cial a manner as the said assignor might or |
| could have held and enjoyed the same, if this a | |
| assignee's successors or assigns, any and all | , upon the request of said assignee, or said acts relating to the obtaining or to the |
| asserting of said patents, including any and | i all renewals, reissues and prolongations |
| thereof. | the Commissioner of Patents and Trademarks |
| to issue Letters Patent on said applicat | ion, and on any and all divisions and |
| continuations thereof, to said assignee, and | said assignee's successors and assigns, in |
| accordance herewith. | |
| EXECUTED, this2 nd_ day of Ar | , 19 <u>9</u> § . |
| WITNESSES: | ASSIGNOR: |
| Signature: prop Bushingarda | Signature: yasıfırı Skin |
| Name: Junji Kashiwada | Name: Yasuhiro SHIN |
| Address: c/o Oki Electric Industry Co., Ltd. | |
| 7-12, Toranomon 1-chome, Minato-ku, | |
| Tokyo, Japan | Signature: Journal Jupa |
| | Signature: Journal Jupa Name: Teruyuki FUJII |
| Signature: | |
| Signature: | |
| Name: | • |
| | • |

SPENCER, FRANK & SCHNEIDER
WASHINGTON, DIEC: 04/30/1998

PATENT REEL: 9149 FRAME: 0517