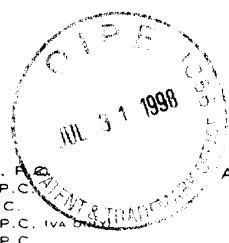


7/31/98



GEORGE H. SPENCER, P.C.
NORMAN N. KUNITZ, P.C.
ROBERT J. FRANK, P.C.
GABOR J. KELEMEN, P.C. (VA ONLY)
MARK B. HARRISON, P.C.
ROBERT KINBERG, P.C.
JOHN W. SCHNELLER, Ph.D., P.C.
ALLEN WOOD
ASHLEY J. WELLS, P.C.
JULIE A. PETRUZZELLI, P.C.
MICHAEL A. GOLLIN, P.C.
GEORGE W. LEWIS, P.C.
MARINA V. SCHNELLER
MICHAEL A. SARTORI, Ph.D. (VA ONLY)

CHARLES C. P. RORIES, Ph.D.
REGISTERED PATENT AGENT

SPENCER & FRANK
ATTORNEYS AND COUNSELLORS AT LAW
SUITE 300 EAST
1100 NEW YORK AVENUE, N.W.
WASHINGTON, D.C. 20005-3955

PATENT TRADEMARK AND
COPYRIGHT CAUSES

TELEPHONE: (202) 414-0000
TELEFAX: (202) 414-4040
CABLE ADDRESS: "SPENCER"
TELEX: SPENCER 64267
E-MAIL:
SPENCERFRANK@MCIMAIL.COM

08-12-1998



100791790
TO THE ASSISTANT COMMISSIONER
FOR PATENTS
WASHINGTON, D.C. 20231

JAY M. CANTOR, P.D.
OF COUNSEL

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

Attorney
Reference: KAHNA 3508.01

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.

1. Name of parties conveying the interest:
Masumi TANINAKA, Mitsuhiro OGIHARA, Hiroshi HAMANO and Takatoku SHIMIZU

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:
 Assignment Other:

4. Application Number: 09/084,324
Patent Number:

08/10/1998 STORING 300000 300000
09/084,324

Registration Number:

Document filed together with a patent application executed on _____

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 Applications, Patents or Registrations and total fee:
Patents: 1 patent rights @ \$40 Total: \$40.00
If no fee is attached, or if a greater or lesser fee is required, please charge or credit our Account No. 19-3700.

7. Date of execution of document: June 29, 1998

8. 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:

9. To the best of knowledge and belief of the undersigned, the foregoing information is true and correct and any attached copy is a true copy of the original document.

10. Date: July 31, 1998

Robert J. Frank

Name: Robert J. Frank

Registration Number: 19,112

RJF/jh

ASSIGNMENT
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket
KANJA 3508.01

WHEREAS Masumi TANINAKA; Mitsuhiro OGIHARA; Hiroshi HAMANO; and Takatoku SHIMIZU each of Tokyo, Japan hereinafter (collectively) referred to as the assignor, has invented a certain improvement relating to LED Array and LED Printer Head for which said assignor has caused an application for United States Letters Patent to be prepared,

- [] 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;
- [X] said application having been filed in the United States Patent and Trademark Office on May 27, 1998, Serial Number [if known] Unknown
- [] 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.

7-12, Toranomon 1-chome, Minato-ku, Tokyo, JAPAN

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 entire 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 all divisions and continuations thereof, and the said invention and any 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, this 29th day of June, 1998.

WITNESSES:
Signature: Yukio Nakamura

ASSIGNOR:
Signature: Masumi Taninaka

Name : Yukio Nakamura

Name : Masumi TANINAKA

Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

Name : Masumi TANINAKA

Signature: Isao Watanabe

Name : Isao Watanabe

Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNMENT
OF APPLICATION FOR UNITED STATES LETTERS PATENT

Attorney Docket
KANJA 3508.01

- Page 2 -

EXECUTED, this 29th day of June, 1998.

WITNESSES:

Signature: *Yukio Nakamura*
Name : Yukio Nakamura
Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: *Mitsuhiko Ogiwara*
Name : Mitsuhiko OGIHARA

Signature: *Isao Watanabe*
Name : Isao Watanabe
Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

EXECUTED, this 29th day of June, 1998.

WITNESSES:

Signature: *Yukio Nakamura*
Name : Yukio Nakamura
Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: *Hiroshi Hamano*
Name : Hiroshi HAMANO

Signature: *Isao Watanabe*
Name : Isao Watanabe
Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

EXECUTED, this 29th day of June, 1998.

WITNESSES:

Signature: *Yukio Nakamura*
Name : Yukio Nakamura
Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

ASSIGNOR:

Signature: *Takatoku Shimizu*
Name : Takatoku SHIMIZU

Signature: *Isao Watanabe*
Name : Isao Watanabe
Address : c/o Oki Electric Industry Co., Ltd.
7-12, Toranomon 1-chome, Minato-ku, Tokyo, Japan

I hereby certify that the Patent and Trademark Office has advised that the application identified herein has been assigned Application Number 09/024,324.

July 31, 1998 *Robert J. Frank*
Robert J. Frank
Reg. No. 19,112

PATENT

RECORDED: 07/31/1998

REEL: 9369 FRAME: 0581