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12-19-2002



102315019

Reference: 520.41825X00

Form PTO-1085  
(Rev. 03/01)  
OMB No. 0651-0027 (exp. 5/31/2002)

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IMAMURA, Shin  
SHIIKI, Masatoshi  
KOMATSU, Masaaki  
MATSUKIYO, Hidetsugu  
KOSEKI, Yoshihiro  
HASE, Takashi  
YAMADA, Tsutomu

12-13-02

2. Name and address of receiving party(ies)

Name: (1) HITACHI, LTD.

Street Address: (1) 6, Kanda Surugadai 4-chome,  
Chiyoda-ku, Tokyo, Japan

(2) HITACHI DEVICE ENGINEERING CO., LTD.

Street Address: (2) 3681, Hayano, Mobara-shi, Chiba, 297-8581, Japan

(3) KASEI OPTONIX, LTD.

Street Address: (3) 1060, Naruda, Odawara-shi, Kanagawa, 250-0862, Japan

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

3. Nature of conveyance:

☒ Assignment

☐ Merger

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Execution Date: July 26, 29, 26, 29, August 20, July 31, and 31, 2002.

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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)

B. Patent Registration No.(s)

10/180,128 Filed June 27, 2002

Additional number(s) attached ☐ Yes ☒ No

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

Name: Antonelli, Terry, Stout & Kraus, LLP

Internal Address:

1300 North Seventeenth Street  
Suite 1800  
Arlington, VA 22209  
USA

City: State: Zip:

6. Total number of applications and patents involved 1

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

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William I. Solomon, Reg# 28,565

December 13, 2002

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PATENT  
REEL: 013579 FRAME: 0448



09-10-2002



102216243

Reference: 520.41825X00

Form PTO-1595  
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KOSEKI, Yoshihiro  
HASE, Takashi  
YAMADA, Tsutomu

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

9.302

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

Name: (1) **HITACHI, LTD.**Street Address: (1) 6, Kanda Surugadai 4-chome,  
Chiyoda-ku, Tokyo, Japan(2) **HITACHI DEVICE ENGINEERING CO., LTD.**

Street Address: (2) 3681, Hayano, Mobara-shi, Chiba, 297-8581, Japan

(3) **HITACHI DEVICE ENGINEERING CO., LTD.**

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**PATENT**  
**REEL: 013579 FRAME: 0449**

# ASSIGNMENT

( 譲渡証 )

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to the below named inventor(s), citizens of Japan by HITACHI, LTD., HITACHI DEVICE ENGINEERING CO., LTD., and KASEI OPTONIX, LTD., corporations organized under the laws of Japan, located at 6, Kanda Surugadai 4-chome, Chiyoda-ku, Tokyo, Japan, and 3681, Hayano, Mobara-shi, Chiba, 297-8581, Japan, and 1060 Naruda, Odawara-shi, Kanagawa, 250-0862 Japan, respectively,

receipt of which is hereby acknowledged, we, the below named inventor(s), do hereby sell and assign to said HITACHI, LTD., HITACHI DEVICE ENGINEERING CO., LTD., and KASEI OPTONIX, LTD.,

their successors and assigns, all our right, title and interest, in and for the United States of America, in and to PHOSPHOR AND IMAGING DEVICE USING THE SAME

invented by us and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said HITACHI, LTD., HITACHI DEVICE ENGINEERING CO., LTD., and KASEI OPTONIX, LTD.,

their successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by us if this assignment and sale had not been made;

And we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of said above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said HITACHI, LTD., HITACHI DEVICE ENGINEERING CO., LTD. and KASEI OPTONIX, LTD.

Signed on the date(s) indicated aside signatures:

INVENTOR(S)

(発明者フルネームサイン)

Date Signed

(署名日)

1) <u>Shin Amamura</u>	<u>7/26/2002</u>
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8) _____	_____
9) _____	_____
10) _____	_____