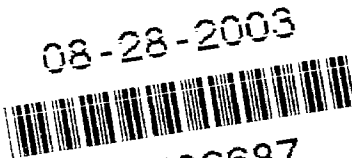


Attorney Docket No. 031020

4/22/03

RECO



102536687  
COVER SHEET  
PATENTS ONLY

MENT OF COMMERCE  
ent Recordation Services  
atent and Trademark Office

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

Submission type: XX New

Conveyance type: XX Assignment

Conveying Party(ies):	(Last, First, Middle Initial)	Execution Date
First party	Name: HENMI, Koji	August 7, 2003
Second party	Name: YAZAWA, Naoki	August 7, 2003
Third party	Name:	
Fourth party	Name:	
Fifth party	Name:	

Additional name(s) of conveying party(ies) attached? Yes \_\_\_ No \_\_\_

**Receiving Party (ies):**

First party      Name: **TOHOKU PIONEER CORPORATION**  
Address: 1105, Aza Nikko, Oaza kunomoto, Tendo-shi, Yamagata 994-8585 Japan

Additional name(s) & address(es) attached? Yes \_\_\_ No XX

**Domestic Representative Name and Address**      (Enter for the first Receiving Party only)

ARMSTRONG, WESTERMAN & HATTORI, LLP  
1725 K Street, N.W., Suite 1000  
Washington, D.C. 20006  
Customer No.: 23850

For Office Use Only

03970 U.S. PTO  
10/645669  
08/22/03

08/25/2003 WARRHAM 00000011 10645669  
40.00 00  
04 FC-8021

PATENT

REEL: 014423 FRAME: 0377

## Correspondent Name and Address

ARMSTRONG, WESTERMAN &amp; HATTORI, LLP

1725 K Street, N.W., Suite 1000

Washington, D.C. 20006

Telephone: 202-659-2930

**Pages** Enter the total number of pages of the attached conveyance document: 1  
(including any attachments, but not counting cover sheets)

**Application Number(s) or Patent Number(s)** Additional numbers attached? Yes ☐ No ☒ XX

A. Patent Application No.(s)B. Patent No.(s)

##

10 645669

##

If this document is being filed together with a new application, enter the date the application was signed by the first named executing inventor: August 7, 2003

(Do not recite both application and patent numbers.)

**Patent Cooperation Treaty (PCT)**

Enter PCT application number only if  
a U.S. Application Number has not been assigned

PCT

PCT

PCT

**Number of Properties** Enter the total number of properties involved: 1

**Fee Amount** Fee Amount for Properties Listed (37 CFR 3.41). . . . . \$40.00

XX Enclosed

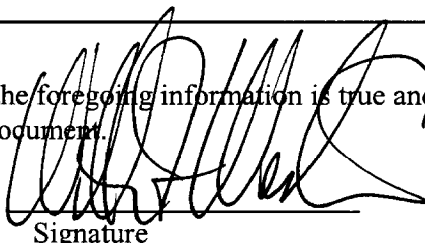
☐ Authorized to be charged to Deposit Account No.: 01-2340

**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.

William F. Westerman

Name of Person Signing



Signature

August 22, 2003

Date

29,988

Registration No.

**U.S. ASSIGNMENT**

IN CONSIDERATION of the sum of One Dollar (\$1.00), and of other good and valuable consideration paid to the undersigned inventor(s) (hereinafter ASSIGNOR) by

(Insert ASSIGNEE's  
Name(s) Address(es))

**TOHOKU PIONEER CORPORATION**

**1105, Aza Nikko, Oaza kunomoto, Tendo-shi, Yamagata  
994-8585, Japan**

(hereinafter ASSIGNEE), the receipt of which is hereby acknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, title and interest to the invention entitled

(Title of Invention) **DEVICE FOR AND METHOD OF DRIVING LUMINESCENT DISPLAY PANEL**

(\*If the assignment is  
being filed after the  
filing of the  
application, this  
section must be  
completed)

for which application for Letters Patent of the United States was executed on even date herewith unless otherwise indicated below:

filed on \_\_\_\_\_, Serial No. \_\_\_\_\_.

(Armstrong, Westerman & Hattori, LLP is hereby authorized to insert the series code, serial number and/or filing date hereon, when known)

and all Letters Patent of the United States to be obtained therefore on said application or any continuation, divisional, substitute, reissue or reexamination thereof for the full term or terms for which the same may be granted.

The ASSIGNOR agrees to execute all papers necessary in connection with the application and any continuation, divisional, reissue or reexamination applications thereof and also to execute separate assignments in connection with such applications as the ASSIGNEE may deem necessary or expedient.

The ASSIGNOR agrees to execute all papers necessary in connection with any interference, litigation, or other legal proceeding which may be declared concerning this application or any continuation, divisional, reissue or reexamination thereof or Letters Patent or reissue patent issued thereon and to cooperate with the ASSIGNEE in every way possible in obtaining and producing evidence and proceeding with such interference, litigation, or other legal proceeding.

IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s).

(Signatures)

*Koji Henmi*  
(Signature)

**Koji HENMI**

(Type Name)

*7th. Aug. 2003*  
(Date)

*Naoki YAZAWA*  
(Signature)

**Naoki YAZAWA**

(Type Name)

*7th. Aug. 2003*  
(Date)

(Signature)

(Type Name)

(Date)

(Signature)

(Type Name)

(Date)

(Signature)

(Type Name)

(Date)

(Signature)

(Type Name)

(Date)

NO LEGALIZATION REQUIRED