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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
Mr. Tsutae SHINODA	01/18/1993
Mr. Noriyuki AWAJI	01/18/1993
Mr. Shinji KANAGU	01/18/1993
Mr. Tatsutoshi KANAE	01/18/1993
Mr. Masayuki WAKITANI	01/18/1993
Mr. Toshiyuki NANTO	01/18/1993
Mr. Mamaru MIYAHARA	01/18/1993

RECEIVING PARTY DATA

Name:	FUJITSU LIMITED
Street Address: 1-1, Kamikodanaka, 4-chome, Nakahara-ku, Kanagawa	
City:	Kawasaki-shi
State/Country:	JAPAN
Postal Code:	211-8588

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	09654894

CORRESPONDENCE DATA

Fax Number: (202)434-1501

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

202-434-1500 Phone: bpatrick@s-n-h.com Email: Correspondent Name: Staas & Halsey

Address Line 1: 1201 New York Avenue, N.W.

Address Line 4: Washington, DISTRICT OF COLUMBIA 20005

NAME OF SUBMITTER: H. J. Staas

PATENT

500007721

REEL: 015166 FRAME: 0582

Total Attachments: 5 source=RecFormCvrSht#page1.tif source=NoticeRecAssign#page1.tif source=RecFormCvrSht2#page1.tif source=USAssignment#page1.tif

> PATENT REEL: 015166 FRAME: 0583

RECORDATION FORM COVER SHEET

Patent and Trademark Office

DATERITE ONI V

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	To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof.
1.	Name of conveying party(ies): Tsutae SHINODA Noriyuki AWAJI Shinji KANAGU Tatsutoshi KANAE Masayuki WAKITANI Toshiyuki NANTO Mamaru MIYAHARA
2.	Name and Current Address of receiving party(ies):
	FUJITSU LIMITED 1-1, Kamikodanaka, 4-chome Nakahara-ku, Kawasaki-shi Kanagawa 211-8588 Japan
3.	Nature of conveyance: X
4.	Application number(s) or patent number(s): This document is being filed together with a new application: (a) The execution date(s) of the application is/are: (b) The title is: OR This document is being filed after filing of the application: (a) Patent Application No(s). 09/654,894, filed September 5, 2000; or (b) Patent No(s)., issued.
5.	Name and address of party to whom correspondence concerning document should be mailed: STAAS & HALSEY LLP Our Docket: 522.1919-C4 Attention: H. J. Staas 1201 New York Ave., N.W., Suite 700 Washington, D.C. 20005
6.	Total number of applications and patents involved:1
7.	Total fee (37 CFR 3.41) (\$ 40.00 per Patent or Application in Assignment) ☑ Enclosed ☑ Authorized to be charged to deposit account.
8.	Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)
H N	. J. Staas, Reg. No. 22,010 ame of Person Signing Signature Total number of pages including cover sheet: 5

PATENT

U.S. DEPARTMENT OF COMMERCE

REEL: 015166 FRAME: 0584

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

S&H 9/92

N	lame	of	convey	/ing	party	/(ies):	



(2<u>.</u>, Name and address of receiving party(ies):

FUJITSU LIMITED 1015, Kamikodanaka, Nakahara-ku Kawasaki-shi, Kanagawa 211

(3 }	Nature	of	conveyance:	Ü

<u>X</u>	Assignment	 Merger
	Security Agreement	 Change of Name
	Other:	

Execution Date(s): January 18, 1993

4, Application number(s) or patent numbe)F(S)	} :
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This document is being filed together with a new application:

- The execution date(s) of the application is/are: January 18, 1993 (a)
- The title is: FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE (b) *** OR ***

This document is being filed after filing of the application:

- (a) Patent Application No(s). _
- (b) Patent No(s). , issued
- (5. Name and address of party to whom correspondence concerning document should be mailed:

STAAS & HALSEY Attention: H. J. Staas

1825 K Street, N.W., Suite 816

Washington, D.C. 20006

- 6 Total number of applications and patents involved: __1_
- (7: Total fee (37 CFR 3.41)..... \$ 40.00

Enclosed

- Authorized to be charged to deposit account.
- (8, Deposit Account No.: 19-3935 (Any underpayment is authorized to be charged to this Deposit Account) (Attach duplicate copy of this page if paying by deposit account)
- (g.) 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.

H. J. Staas, Reg. No. 22,010 Name of Person Signing

Our Docket: 522.1919/HJS

Date

Total number of pages comprising cover sheet: ______

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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

Mamaru Miyahara January 18, 1993 CERTOR		the undersigned inventor(s) (hereinafter *A	ASSIGNOR") by		, at t
(hersianter 'ASSIGNEE'), the receipt of which is hereby seknowledged, the undersigned ASSIGNOR hereby sells, assigns and transfers to ASSIGNEE the entire and exclusive right, titls and interest to the invention entitled FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE related to the United States was executed on even date herewith or, if not so executed, was: Invent date (a) executed on (b) filed on (c) fil	ASSIGNEE's Name(s)	**************************************	ukahara-ku, Kawasaki-sh	i, Kanagawa 211,	[apan
Title of FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE relating to International Patent Application PCT/JP	Addiesz(cs))				
Title of FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE FULL COLOR SURFACE DISCHARGE TYPE PLASMA DISPLAY DEVICE relating to International Patent Application PCT/JP					
relating to International Patent Application PCT/IP		transfers to ASSIGNEE the entire and	exclusive right, title and interest to the	invention entitled	y sells, assigns and
of the United States was executed on even data herewith or, if not so executed, was: Application Application and all application Applic					
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(b) filed on Serial No. Serial No	insert date	(a) executed on	; [
renewal, substitute, relissue or recamination application based thereon, for the full term or terms for which the said Letters Patent(s) may be granted and including any extensions thereof (collectively, hereinafter, "said application(s) and Letters Patent(s)"). The ASSIGNOR agree(s), when requested by said ASSIGNEB and without charge to but at the expense of said ASSIGNEB, to do all acts which the ASSIGNEB may deem necessary, desirable or expedient, for securing, maintaining and enforcing protection for said invention, including in the preparation and prosecution of said application(s) and the issuance of said Letters Patent(s), in any interference, reissue, recamination, or public use proceeding, and in any integritor or other logal proceeding which may arise or be declared in relation to same, such acts to include but not be limited to executing all papers, including separate sasignments and declarations, taking all rightful cetts, providing sworm testimony, and obtaining and producing evidence. IN WITNESS WHEREOF, the undersigned inventor(s) has (have) affixed his/her/their signature(s). The Shine of Tutale Shinoda January 18, 1993 [CATE] ADJUSTIC SHINE OF THE	f application, not			by authorized to insert in (b) t	he specified
TSutae Shinoda TSutae Shinoda January 18, 1993 (SIGNATURE) NORIYUKI Awaji January 18, 1993 (IYPE NAME) Marayuki Awaji January 18, 1993 (IYPE NAME) Tatsutoshi Kanagu (IYPE NAME) Masayuki Wakitani January 18, 1993 (IYPE NAME) Masayuki Nanto January 18, 1993 Materia Nama Masayuki Nanto Mamaru Miyahara		renewal, substitute, reissue or reexamin Patent(s) may be granted and including Patent(s)"). The ASSIGNOR agree(s), w ASSIGNEE, to do all acts which the A enforcing protection for said invention, said Letters Patent(s), in any interferer proceeding which may arise or be declared including separate assignments and decrease.	nation application based thereon, for the sany extensions thereof (collectively, he shen requested by said ASSIGNEE and SSIGNEE may deem necessary, desired, including in the preparation and prosence, reissue, reexamination, or public untered in relation to same, such acts to in	e full term or terms for which ereinafter, "said application(s) and it without charge to but at the eble or expedient, for securing, secution of said application(s) as se proceeding, and in any litigation but not be limited to exe	the said Letters and Letters expense of said maintaining and and the issuance of tion or other legal ceuting all papers, taining and
Noriyuki Awaji January 18, 1993 Shinii Kanagu Shinji Kanagu January 18, 1993 Signature) Tatsutoshi Kanae January 18, 1993 (YYPE NAME) (DATE) Masayuki Wakitani January 18, 1993 (YYPE NAME) (DATE) Masayuki Mahami Masayuki Wakitani January 18, 1993 (YYPE NAME) (DATE) Masayuki Mahami Masayuki Nanto January 18, 1993 (DATE) PATENT AND TRADE Mamaru Miyahara January 18, 1993		IN WITNESS WHEREOF,	the undersigned inventor(s) has (have)	affixed his/her/their signature(EEE 6 4 2 2 FRAM
Shinji Kanagu Shinji Kanagu January 18, 1993 (SIGNATURE) Tatsutoshi Kanae Tatsutoshi Kanae January 18, 1993 (SIGNATURE) Masayaka Wakitani January 18, 1993 (SIGNATURE) Masayuki Wakitani January 18, 1993 (SIGNATURE) Toshiyaki Nanto (TYPE NAME) Toshiyaki Nanto (TYPE NAME) Masayuki Nanto (TYPE NAME) Toshiyaki Nanto (TYPE NAME) Mamaru Miyahara Mamaru Miyahara January 18, 1993 (DATE) PATENT MIO TRIDE	(Signalures)	1) Tsutae Shinoda (SIGNATURE)	Tsutae Shinoda		
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Masayuki Wakitani January 18, 1993 (SEGNATURE) Masayuki Wakitani January 18, 1993 (DATE) Masayuki Masayuki Wakitani January 18, 1993 (DATE) Masayuki Masayuki Wakitani January 18, 1993 (DATE) PATENT AND TRADE Mamaru Miyahara January 18, 1993 CERTON		Shinin Kanagu (SIGNATURE)			<u> </u>
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n Manaul Migahara Mamaru Miyahara January 18, 1993 CERTOR		Masayaki Wahitani (SIGNATURE)			_
n Manaul Migahara Mamaru Miyahara January 18, 1993		1) Joshiyahi Nanto (signature)		/DATE)	TRECORDED
900 20 (j.)		n Mamaru Miyakura (SIGNATURE)		January 18, 1993	CFF105 JM1 20I773

(SIGNATURE) (TYPE NAME) (DATE) PATENT
RECORDED: 09/23/2004 REEL: 015166 FRAME: 0586