MAY 1 2 2003 Atty Docket No.: 0039-7621-2RD/mtp FOR M PTO + 595 1-31-92

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1. Name of conveying party(ies): 5 - 12 - 0 5	
Additional name(s) of conveying party(ies) attached? Yes	Name: KABUSHIKI KAISHA TOSHIBA Address: 72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, JAPAN
3. Nature of Conveyance:	
☐ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ Other	
Execution Date: May 8, 2003	Additional name(s) and address(es) attached? □Yes ■N
4. Application number(s) or patent number(s):	
If his document is being filed together with a new application,	the execution date of the application is:
A. Patent Application No.(s)	B. Patent No.(s)
09/531,490	
Additional numbers	attached? Yes No
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total applications and patents involved: 1
	7. Total fee (37 CFR 3.41): \$40.00
	Enclosed
	☐ Authorized to be charged to deposit account
22850	8. Deposit account number: 15-0030 (Attach duplicate copy of this page if paying by deposit account)
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PATENT REEL: 014054 FRAME: 0996

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Assignment Of Application

	WHEREAS, I (WE) Yuzo HIRAYAMA of Kanagawa-ken, Japan
/ 1 LAST	
(AMES IDENCE IES OF	
ENTORS:	
	,
	, respectively,
TTLE NTXON:	have invented certain new and useful improvements in:
	LIGHT-EMITTING DEVICE AND A DISPLAY APPARATUS HAVING A LIGHT-EMITTING DE
ATE IN	March 17 2000
TION	for which an application for Letters Patent was executed on March 17, 2000
	(Application No. 09/531,490 , filed March 20, 2000), and
AME RESE OF Y OR SEIGNEE:	WHEREAS, KABUSHIKI KAISHA TOSHIBA
	(hereinafter referred to as "ASSIGNEE") having a place of business at:
	72, Horikawa-cho, Saiwai-ku, Kawasaki-shi, Kanagawa, Japan
	is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

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PATENT REEL: 014054 FRAME: 0997 03- 5- 8; 5:26PM;NGB

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Page 2 of 2

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignce of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: May 8	7,2003	(Signature of Invenier) Guzo Hirayama
		(Signature of Inventor)
Date:		(Submitter of Investor)
Date:		(Signature of lavendor)
Date:		(Signature of Inventor)
Date:		(Signature of Invence)
Date;		(Signature of Enversor)
Date:		(Signature of Inventor)

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RECORDED: 05/12/2003

PATENT REEL: 014054 FRAME: 0998