FORM PTO-1595 01-31-20 (Rev. 6-93)	0.3 SHEET U.S. DEPARTMENT OF COMMERCE	
ÒMB No. 0651-0011 (exp. 4/94)	LY Dkt. 02162D Patent and Trademark Office	
To the Honorable Commissioner 10235298	SECTION AND AND AND AND AND AND AND AND AND AN	
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):	
Megumi HORIUCHI Shinobu NAKAMURA JAN 2 8 2003	Name: CITIZEN ELECTRONICS CO., LTD. Internal Address:	
Additional name(s) of conveying party(ies) attached? Yes X No	1.2603	
3. Nature of conveyance:		
	Street Address: 1-23-1, Kamikurechi,	
Security Agreement	Fujiyoshida-shi,	
Other	Yamanashi-ken, JAPAN City: State: ZIP:	
Execution Date: August 27, 2002	Additional name(s) & address(es) attached?	
 4. Application number(s) or patent number(s): If this document is being filed together with a new application. A. Patent Application No.(s) S.N. 29/167,029 filed Sept. 9, 2002 	B. Patent No.(s)	
Additional numbers	attached? Yes X No	
Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: DENNISON, SCHULTZ & DOUGHERTY	7. Total fee (37 CFR 3.41) \$\(\frac{40.00}{}\)	
Internal Address:	X Enclosed Credit Card Form PTO-2038	
	Authorized to be charged to deposit account	
Street Address: 1745 Jefferson Davis Highway	8. Deposit account number:	
City: Arlington State: VA ZIP: 22022	(Attach duplicate copy of this page if paying by deposit account)	
DO NO	OT USE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information the original document. Ira J. Schultz, Reg. 28666 Name of Person Signing	rmation is true and correct and any attached copy is a true copy of	
	cover sheet, attachments, and document:	
Mail documents to be recorded v	vith required cover sheet information to: & Trademarks, Box Assignments	

Washington, D.C. 20231

40.00 OP 01 FC:8621

PATENT REEL: 013702 FRAME: 0924

Dkt. 02162D Page Two

2. Name and Address of receiving parties:

KAWAGUCHIKO SEIMITSU CO., LTD. 6663-2 Funatsu, Kawaguchiko-Machi, Minamitsuru-Gun, Yamanashi-ken, Japan

PATENT REEL: 013702 FRAME: 0925

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94) Tab settings $\Rightarrow \Rightarrow \Rightarrow \forall$	OVER SHEET ONLY Dkt. 02162D U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
To the Honorable Commiss	e record the attached original documents or copy thereof.	
1. Name of conveying party, 102244386	Name and address of receiving party(ies):	
Megumi HORIUCHI Shinobu NAKAMURA	Name: CITIZEN ELECTRONICS CO., LTD.	
Additional name(s) of conveying party(les) attached? Yes X No	250 60 60 60 60 60 60 60 60 60 60 60 60 60	
MINIS alalos	je	
3. Nature of conveyance:		
X Assignment	Street Address: 1-23-1, Kamikurechi,	
Security Agreement Change of Name	Enjiwachida ahi Vananahi har TADAN	
Other	Fujiyoshida-shi, Yamanashi-ken, JAPAN City: ZIP:	
Execution Date: August 27, 2002	Additional name(s) & address(es) attached? Yes X No	
A. Patent Application No.(s) 29167029 Additional numbers atta	B. Patent No.(s)	
Additional numbers are	Criedi — — — — — — — — — — — — — — — — — — —	
5. Name and address of party to whom correspondence concerning document should be mailed:	6. Total number of applications and patents involved:	
Name: DENNISON, SCHULTZ & DOUGHERTY	7. Total fee (37 CFR 3.41) \$ 40.00	
Internal Address:	Enclosed	
	X Authorized to be charged to deposit account	
Street Address: 1745 Jefferson Davis Highway	8. Deposit account number: 04-0753	
City: Arlington State: VA ZIP: 22022	(Attach duplicate copy of this page if paying by deposit account)	
79/16/2002 DEVENE 00000099 010753 20167029 DO NOT U	JSE THIS SPACE	
9. Statement and signature. To the best of my knowledge and belief, the foregoing information of the original document. Ira J. Schultz, Reg. 28666 Name of Person Signing	ation is true and correct and any attached copy is a true copy of P/9/52 Signature Date	
	ver sheet, attachments, and document:	

Mail documents to be recorded with required cover sheet information to: Commissioner of Patents & Trademarks, Box Assignments Washington, D.C. 20231

ASSIGNMENT

United States (Sole or Joint) (Excluding Foreign Rights)

WHEREAS, I/We, Megumi HORIUCHI and Shinobu NAKAMURA

residing at c/o Citizen Electronics Co., Ltd.,
1-23-1, Kamikurechi, Fujiyoshida-shi, Yamanashi-ken, Japan
c/o Kawaguchiko Seimitsu Co., Ltd.,
6663-2 Funatsu, Kawaguchiko-machi, Minamitsuru-gun,
Yamanashi-ken, Japan

have invented certain new and useful improvements in LIGHT-EMITTING DIODE

for which an application for United States Letters Patent was executed by the undersigned on August 27, 2002

WHEREAS, CITIZEN ELECTRONICS CO., LTD.

having a place of business at 1-23-1, Kamikurechi, Fujiyoshida-shi, Yamanashi-ken, Japan

KAWAGUCHIKO SEIMITSU CO., LTD.

having a place of business at 6663-2 Funatsu, Kawaguchiko-machi, Minamitsuru-gun, Yamanashi-ken, Japan

hereinafter called the "Assignee", 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 therefor, in the United States and its territorial possessions.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other valuable considerations, the receipt whereof is hereby acknowledged, I/we have sold, assigned and transferred, and by these presents do sell, assign, transfer and confirm in and to said Assignee my/our full and exclusive right to the said invention in the United States and its territorial possessions and my/our entire right, title and interest in and to said application and any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in and to any and all divisions, reissues, continuations and extensions thereof.

I/We hereby authorize and request the Patent Office Officials in the United States to issue any and all of said Letters Patent, when granted, to said Assignee for the sole use and behoof of the said Assignee, its successors and assigns.

IN TESTIMONY WHEREOF, I/we have hereunto set my/our hand(s).

RECORDED: 01/28/2003

Inventor(s):	Date:	
A Horaachi	August 2002	
M. Howachi Shinobu, Nakamura	August 2002	27

PATENT REEL: 013702 FRAME: 0927