	. •		11/13/352	
For: 1-31	TRAN: 05-24-20		RDATION Atty. Docket: 03500.109715	
1	To the Director, U.S. Patent and		d original documents or copy thereof.	
1.	Name of conveying party(ies): 1030087.		dress of receiving party(ies):	
(a)	HIRONOBU IWAWAKI	1	E 01 ==	
	SHINJIRO OKADA	Name: <u>CANON</u>	KABUSHIKI KAISHA	
• /	TAKAO TAKIGUCHI SATOSHI IGAWA		<del></del>	
• /	MASASHI HASHIMOTO		2662	
	MANABU FURUGORI		200 200 200 200 200 200 200 200 200 200	
	KENGO KISHINO MINAKO KUROKAWA	Foreign Address	s: 3-30-2, Shimomaruko, Ohta-ku	
(**/	Additional name(s) of conveying party(ies) attached?		Tokyo, Japan	
	Yes X No			
3.	Nature of conveyance:			
	X Assignment	Domestic Addre	ess:	
	Other	1	<del></del>	
	Execution Date: (a)-(g): May 10, 2005; (h)-May 11, 2005	City:	State ZIP	
	1	Additional name	e(s) & address(es) attached? Yes No	
	,	Additional name	(s) & address(es) attached: 1cs10	
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: May 10, 2005 and May 11, 2005			
	A. Patent Application Number: Not Yet Assigned Filing Date: Not Yet Assigned	B. Title of I	Invention:	
		LIGHT	-EMITTING DEVICE	
	J	1		
	Additional numbers attached?	Yes	X No	
5.	Name and address of party to whom correspondence	6. Number of a	applications and patents involved:	
	concerning document should be mailed:	1		
	Name: Fitzpatrick, Cella, Harper & Scinto	- m - 1 5-2 (25	One 40.00	
	30 Rockefeller Plaza	7. Total fee (37	7 CFR 3.41): \$40.00	
	New York, New York 10112-3800	X Enclosed		
	Telephone No.: (212) 218-2100		ed to be charged to deposit account	
	Facsimile No.: (212) 218-2200	8. Deposit acco	ount number (for deficiency or excess)	
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9.	Statement and signature.			
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To the best of my knowledge and belief, the foregoing information is true and the attached is the original document or is a true copy of the original document.				
	A	1 ,		
(Xada, Arda)				
PETER SAXON (Reg. No. 24,947)				
Name of Person Signing Signature Date  Total number of pages including cover sheet, attachments, and documents: 3				
50110	Jevi I Utai Humori Or	pages including co	over sheet, attachments, and documents: 5	

PATENT REEL: 016581 FRAME: 0702

## 10009715US01

JOINT (BEFORE APPLICATION FILED)

## ASSIGNMENT

FOR VALUE RECEIVED, WE Hironobu Iwawaki, Shinjiro Okada, Takao Takiguchi, Satoshi Igawa, Masashi Hashimoto, Manabu Furugori, Kengo Kishino and Minako Kurokawa

citizens of Japan

hereby sell, assign, transfer and convey unto

CANON KABUSHIKI KAISHA

a corporation of Japan

having a place of business at

3-30-2, Shimomaruko, Ohta-ku, Tokyo, Japan

its successors, assigns and legal representatives (hereinafter called the "Assignee"), the entire right, title, and interest, for all countries, in and to certain inventions relating to

## LIGHT-EMITTING DEVICE

and described in an application for Letters Patent of the United States which is filed concurrently herewith and was executed by us, respectively, in and to said application, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon, and all reissues and extensions thereof, and all applications for Letters Patent or other grants of protection of proprietary rights including, but not limited to, inventor's certificate, utility model, utility certificate, patent of importation, registration of patent and industrial design registration which may be filed, and which may be granted, upon said inventions in any countries or regions foreign to the United States, and all reissues, renewals and extensions thereof; and we hereby authorize and request the Commissioner for Patents and Trademarks of the United States, and all officials of countries or regions foreign to the United States having authority to do so, to issue all such Letters Patent or other grants of protection upon said inventions to the Assignee or to such nominees as it may designate.

AND we authorize and empower the said Assignee or nominees to invoke and claim for any application for such Letters Patent or other grants of protection for said inventions filed by it or them, the benefit of the right of priority provided by the international Convention for the Protection of Industrial Property, as amended, or by a convention which may henceforth be substituted for it, and to invoke and claim such right of priority without further written or oral authorization from us.

AND we hereby consent that a copy of this assignment shall be deemed a full and formal equivalent of any assignment, consent to file or like document which may be required in any country or region for any purpose and more particularly in proof of the right of the said Assignee or nominees to claim the aforesaid benefit of the right of priority provided by the International Convention for the Protection of Industrial Property, as amended, or by any convention which may henceforth be substituted for it.

AND we hereby covenant that we have the full right to convey the entire right, title and interest herein assigned and that we have not executed and will not execute any agreement in conflict herewith.

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## 10009715US01

AND we hereby covenant and agree that we will communicate to said Assignee or nominees all facts known to us pertaining to said inventions, and testify in all legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and declarations and in general perform all lawful acts necessary or proper to aid said Assignee or nominees in obtaining, maintaining, and enforcing all lawful patent or other grants of protection of said inventions in any and all countries and regions.

By: Hironoby Murwaki Hironobu Iwawaki	Date: May 10, 2005
By: Shinjiro Okada Shinjiro Okada	Date: May 10. 2005
By: Jakao Jakiguchi Takao Takiguchi	Date:
By: Satoshi Agawa Satoshi Igawa	Date: May 10, 2005
By: Masashi Hashimoto  Masashi Hashimoto	Date: May 10. 2005
By: Memerlu Furugori Manabu Furugori	Date: May 10, 2005
By: Keingo Kishino Kengo Kishino	Date: May 10, 2005
By: Minako Kurokawa  Minako Kurokawa	Date: May 11. 2005

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**PATENT** REEL: 016581 FRAME: 0704

**RECORDED: 05/18/2005**