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Conveying Party(ies)	<u> </u>	Execution Date(<u>a</u>		
1. Shigeki HARADA		May 17, 2004	J ,		
2. Kikuo IZUMI		May 17, 2004			
3. Takahiro URAKABE		May 17, 2004			
4. Akihiro SUZUKI 5. Akihiko IWATA		May 17, 2004			
6. Takashi OHSAWA		May 17, 2004			
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Name Mitsubishi Denki Kabushiki Kaisha					
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Address 2-3, Marunouchi 2-chome			5-24-00		
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Jeffrey A. Wyand			ne: (202) 737-6770		
Leydig, Voit & Mayer 700 Thirteenth St., N.W. Suite 300		Facsimi	le: (202) 737-6776		
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Enter PCT application number only if a U.S. Application	PCT	PCT	PCT		
Number has not been assigned.					
	PCT	PCT	PCT		
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Method of Payment:	1 CC Amount for 1 1	operties Listed (57 (71 1 (3.4 1). 40.00		
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Jeffrey A. Wyand May 24 WY					
Name of Person Signing Signature Date					
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FC:8021 40.00 DA					

PATENT REEL: 016057 FRAME: 0801

ASSIGNMENT

	consideration of the sum of One Dollar (\$1.00), and other good and valuable eration, the receipt of which is acknowledged, the undersigned,
	eki HARADA, Kikuo IZUMI, Takahiro URAKABE, Akihiro SUZUKI,
	ko IWATA and Takashi OHSAWA
7.5.2.1.1.	
of c/o	o MITSUBISHI DENKI KABUSHIKI KAISHA, 2-3, Marunouchi 2-chome,
Ch	niyoda-ku, Tokyo 100-8310 Japan
	ssigns, and transfers to ITSUBISHI DENKI KABUSHIKI KAISHA
of <u>2</u>	·3, Marunouchi 2·chome, Chiyoda·ku, Tokyo 100·8310 Japan
(the As	ssignee), its successors and assigns, the entire right, title, and interest in and to:
(i)	the application for United States Letters Patent entitled: "BALLAST APPARATUS AND METHOD OF HIGH INTENSITY DISCHARGE LAMP"
	which was executed by the undersigned on May 17, 2004, or was filed on and accorded Serial No. (the Application);
	(the Application),
(ii)	any and all inventions and improvements that are described in the Application;
(iii)	any and all United States Letters Patents that may be granted on the Application (the Patent);
(iv)	any and all divisions, continuations, reexaminations, reissues, or extensions of the Application or the Patent; and
(v)	all benefits under the International Convention for the Protection of Industrial Property.
serial n	I authorize the Assignee and its agents to insert in this instrument the filing date and number of the Application.

PATENT REEL: 016057 FRAME: 0802 I authorize and request the Commissioner of Patents to issue any and all Letters Patent, when granted, to the Assignee.

Further, it is agreed that, when requested, without charge to, but at the expense of, the Assignee, the undersigned will execute all divisional, continuing, or reissue patent applications; execute all additional assignments and other writings, including reissue and reexamination papers; and provide all reasonable assistance requested by the Assignee to secure and maintain appropriate patent protection for any invention described in the Application.

INVENTOR	Date	Witness
Shigeki Harada Shigeki HARADA	May 17 ,2004	
Kikuo Izumi Kikuo IZUMI	May 17, 2004	
Takahiro Urakabe	May 17, 2004	
Akihito Suzuki	May 17, 2004	
Akihiko Iwata	May 17, 2004	
Jakashi Ohsawa	May 17, 2004	

RECORDED: 12/01/2004

PATENT REEL: 016057 FRAME: 0803