06-28-1999
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Name and address of receiving party(ies): Name: Philips Electronics North America Corporation
Internal Address:
Street Address: 1251 Avenue of the Americas
City: <u>New York</u> State: <u>NY</u> Zip: <u>10020-1104</u>
Additional name(s) & address(es) attached? Yes X No
new application, the execution date of the application,
B. Brand No. (1)
B. Patent No.(s) numbers attached? Yes Y
numbers attached? Yes X No
6. Total number of applications and patents involved:
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Total number of pages including cover sheet, attachments, and document:

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PATENT REEL: 010046 FRAME: 0047

SOLE/JOINT ASSIGNMENT Docket No. PHA 23,552

For good and valuable consideration, I, as a below-named Assignor, hereby sell, assign, and transfer the entire right, title, and interest in the following to PHILIPS ELECTRONICS NORTH AMERICA CORPORATION, a corporation having a place of business at 1251 Avenue of the Americas, its successors, assigns, and legal representatives, including any nominees (collectively "the Assignee"):

- (1) my/our invention relating to "Circuit Arrangement for Operating a Discharge Lamp Including Real Power Sensing Using a Single Quadrant Multiplier" as described in the U.S. patent application
 - [] executed concurrently herewith,
 - [] executed on
 - [X] filed in the United States Patent and Trademark Office on November 30, 1998 as Serial Number 09/201,046,
- (2) the foregoing application and all other U.S. and foreign patent applications based thereon, including divisions, continuations, reissues, and extensions, and
 - (3) all patents granted on these applications.

I will provide my cooperation to enable the Assignee to enjoy the foregoing right, title, and interest to the fullest extent. Upon request at the expense of the Assignee, I agree to execute all papers, take all rightful oaths, testify in all legal proceedings including patent prosecutional actions and infringement actions, and do all other such acts which may be necessary, desirable, or convenient for securing and maintaining patents on the foregoing invention or for perfecting title thereto in the Assignee. I authorize and request that these patents be issued to the Assignee.

I certify that I have the full right to convey the above rights.

Date (printed name) PAWEL M. GRADSK	Assignor , Assignor
Z	P6"
State of)	
County of)	
Powel M. Gradski	ore me personally appeared
known to me to be the person(s) who executed the for	regoing assignment and
acknowledged to me that he/they executed this assign	nment of his/their own free
will. Notary Public	D. Kath

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RECORDED: 06/24/1999

PATENT REEL: 010046 FRAME: 0048