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To the Honorable Commissioner of Patents and Trademarks: Please record the attached documents or copy thereof:

1. Name of conveying party(ies): John W. Shaffer 09/940207 Additional names of conveying parties attached? \_\_\_\_\_\_Yes \_\_\_\_X \_\_\_\_No 2. Name and address of receiving party:

Name: Street Address: City, State, Zip:	OSRAM SYLVANIA Inc. 100 Endicott Street Danvers, Massachusetts 01923
Additional names	and addresses attached?YesXNo
3. Nature of conv	/eyance:
X Assignm	
4. Application nur	nber(s) or patent number(s):
If this document is	being filed together with a new application, the execution date of the application is:
A. Patent Applicat	tion No(s).: B. Patent No(s)
Additional number	s attached? Yes X No
5. Name and add	ress of party to whom correspondence should be mailed:
	William H. McNeill OSRAM SYLVANIA Inc. 100 Endicott Street Danvers, Massachusetts 01923
6. Total number	of application and/or patents involved:1
7. Total fee (37 6	CFR 3.41: <u>\$40.00</u>
X	_Authorized to be charged to deposit account.
8. Deposit Accor	ınt No.: <u>15-0685</u>
9. Statement an	d Signature:
W. H. McNeill Name of Person	Signature Date
Total number of 00000133 150685	pages including cover sheet, attachments and document: 2
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**PATENT** REEL: 012128 FRAME: 0244 99-1-525 SOLE

## **ASSIGNMENT**

In consideration of One Dollar and other good and valuable consideration of which I acknowledge receipt, I, the undersigned inventor, sell and assign to OSRAM SYLVANIA Inc, a Delaware Corporation, its successors and assigns, my invention in FOR DISCHARGE THERMIONIC ARC COATING CATHODES", identified as attorney docket number 99-1-525, and the application for United States Patent therefor executed concurrently herewith, and all Patents which may be granted therefor, and all divisions, reissues, continuations, and extensions thereof, and authorize and request the Commissioner of Patents and Trademarks to issue all Patents on said invention or resulting therefrom to said Corporation as assignee of the entire interest, and covenant that I have full right to do so and agree that I will communicate to said Corporation or its representatives any facts known to me respecting said invention and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths or declarations and generally do everything possible to aid said Corporation, its successors, assigns and nominees, to obtain and enforce proper patent protection for said invention, in the United States and all foreign countries. 01

Inventor's Signature: John W. Shaffer Date: Aug. 17, z	-00
Inventor's Name: John W. Shaffer	
Address: 9 Tanager Drive, Danvers, MA 01923	
WITNESS: anette L. Alenn	
Address: 6 South ST. Plymouth, MA 02360	

RECORDED: 08/27/2001

EL602 093 125US 99-1-525 forms/MD/appln

PATENT REEL: 012128 FRAME: 0245