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1. Name of conveying party(ies): ERICH HELL MANFRED FUCHS	2. Name and address of receiving party(les): Name: <u>Siemens Aktiengeselischaft</u>
MARKUS SCHILD	Internal Address:
Additional name(s) of conveying party(ies) attached Cl Yes 29 No	
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9. Statement and signature: To the best of my knowledge and belief, the foregoing informal original document Steven H. Noll	ation is true and correct and any attached copy is a true copy of the
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# PATENT REEL: 010761 FRAME: 0353

#### ASSIGNMENT

FOR a valuable consideration, the undersigned,

residing at	ERICH HELL	MANFRED FUCHS	MARKUS SCHILD
	Spardorfer Str. 33	Widhalmstr. 19	Brahmsstr. 3
	91054 Erlangen	90459 Nuernberg	91052 Erlangen
	Germany	Germany	Germany

hereby sell, assign and transfer unto Siemens Aktiengesellschaft, Wittelsbacherplatz 2, 80333 Munich, Germany, a German corporation, the whole right, title and interest in and to a certain invention or improvement in

#### "THERMIONIC EMITTER HAVING AN OPTIMIZED LIFETIME"

disclosed in an application for Letters Patent of the United States, prepared by the firm of Hill & Simpson, A Professional Corporation of Chicago, Illinois, and executed of even date herewith, said application being identified in the office records of said firm as Case No. **P00,0757** and in our own records as Case No. **GR99P3296US**, and in and to the United States Letters Patent therefor, when issued, together with all improvements thereon and betterments thereof, all divisions, continuations and reissues thereof and substitutions of or for said application, and all rights and privileges under the Letters Patent that may be granted therefor, including the right to claim the benefit of an earlier filing date for the same invention in a foreign country.

We hereby authorize and request the Commissioner of Patents to issue the Letters Patent that may be granted for said invention or improvements to said Siemens Aktiengesellschaft, Wittelsbacherplatz 2, 80333 Munich, Germany.

For the same consideration, we hereby agree that we will promptly communicate to the aforesaid assignee or its assigns full and complete information concerning said improvements or betterments of the inventions disclosed in said application, and will cooperate at any time upon request of said assignce or its assigns, at its expense, in the procurement of patent protection to cover the inventions herein assigned and to be assigned, including the execution of new, divisional, continuing and reissue applications; will make all rightful oaths, will testify in any proceedings in the United States Patent Office or in the Courts, and generally will do everything lawfully possible to aid said assignee, its successors, assigns and nominees to obtain, enjoy and enforce proper patent protection for the inventions embraced within the terms of this document.

DATE: Anal, 1.Y 2011	FRICH HELL
DATE: 111 12 100	MANFRED FUCHS
DATE:	
WITNESSES:	1
WITNESSES: 	

### RECORDED: 04/25/2000

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