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ASSIGNMENT

WHEREAS, We,

Klaus OBERNDOERFER Thrasoltstr. 20 10585 Berlin Federal Republic of Germany Citizenship: Federal Republic of Germany

Roman RENZ Neuhofer Str. 78 12355 Berlin Federal Republic of Germany Citizenship: Federal Republic of Germany

and

Klaus GESSNER Gartenfelder Str. 46 13599 Berlin Federal Republic of Germany Citizenship: Federal Republic of Germany

have made certain new and useful inventions and discoveries, for which we have filed an application for Letters Patent entitled VACUUM TUBE HAVING A GETTER APPARATUS, the specification of which was filed on February 26, 1998 under Serial No. 09/031,293, and

WHEREAS Siemens Aktiengesellschaft, having a place of business at Wittelsbacherplatz 2, D-80333 München, Federal Republic of Germany, and who, together with its successors and assigns, is hereinafter called "Assignee," is desirous of acquiring the title, rights, benefits, and privileges hereinafter recited,

NOW, THEREFORE, for valuable consideration furnished by Assignee to us, receipt and sufficiency of which we hereby acknowledge, we hereby, without reservations:

1. Assign, transfer, and convey to Assignee the entire right, title, and interest in and to said inventions and discoveries, said application for Letters Patent of the United States of America, any and all other applications for Letters Patent on said inventions and discoveries in whatsoever countries, including all divisional, renewal, substitute, continuation, and Convention applications based in whole or in part upon said inventions or discoveries, or upon said applications, and any and all Letters Patent, reissues, and extensions of Letters Patent granted for said inventions and discoveries or upon said applications, and every priority right that is or may be predicated upon or arise from said inventions, said discoveries, said applications, and said Letters Patent.

2. Authorize Assignee to file patent applications in any or all countries for any or all of said inventions and discoveries in our names or in the name of Assignee or otherwise as Assignee may deem advisable, under the International Convention or otherwise.

3. Authorize and request the Commissioner of Patents and Trademarks of the United States of America and the empowered officials of all other governments to issue or transfer all said Letters Patent to Assignee, as assignee of the entire right, title, and interest therein or otherwise as Assignee may direct.

4. Warrant that we have not knowingly conveyed to others any right in said inventions, discoveries, applications, or patents or any license to use the same or to make, use, or sell anything embodying or utilizing any of said inventions or discoveries; and that we have good right to assign the same to Assignee without encumbrance.

Bind our heirs, legal representatives, and 5. assigns, as well as ourselves, to do, upon Assignee's request and at Assignee's expense, but without additional consideration to us or them, all acts reasonably serving to assure that the said inventions and discoveries, the said patent applications, and the said Letters Patent shall be held and enjoyed by Assignee as fully and entirely as the same could have been held and enjoyed by us, our heirs, legal representatives, and assigns if this assignment had not been made; and particularly to execute and deliver to Assignee all lawful application documents including petitions, specifications, and oaths, and all assignments, disclaimers, and lawful affidavits in form and substance as may be requested by Assignee; to communicate to Assignee all facts known to us relating to said inventions and discoveries or the history thereof; and to furnish Assignee with any and all documents, photographs, models, samples, and other physical exhibits in our control or in the control of our heirs, legal representatives, or assigns which may be useful for establishing the facts of our conceptions, disclosures, and reduction to practice of said inventions and discoveries.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 5 day of $4u_3u_3d$, 1998.

Maus Merudor/2-Klaus OBERNDOEREED

WITNESSED BY:

Dutz hellen ann Name Stiebenrauchshr. 2

12161 Rutin Address

Name Name

Gartenfelder Str. 56

13599 Berlin

Address

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 25 day of **BUSKERN** (1998.

Roman RENZ

WITNESSED BY:

Name / Well un ann

Stubersauchestr. 2 12161 Berliy Address

Mans John Gartenfelder Sto 46

13599 Berling

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal this 28 day of -100, 1998.

Klaus CES un

WITNESSED BY: Kennen Ruck Neuhofe Str. 78 12355 Berlin

Name hell in Our

Stubenraudeste 2 12 16 1 Berlin

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RECORDED: 10/13/1998