

Attorney Docket No.: 20239/0202827-US0

ASSIGNMENT

I, Natsuo TATSUMI, a citizen of Japan, residing at c/o Sumitomo Electric Industries, Ltd.; 1-1, Koyakita 1-chome; Itami-shi; Hyogo; 664-0016; JAPAN; and

I, Akihiko NAMBA, a citizen of Japan, residing at c/o Sumitomo Electric Industries, Ltd.; 1-1, Koyakita 1-chome; Itami-shi; Hyogo; 664-0016; JAPAN; and

I, Yoshiki NISHIBAYASHI, a citizen of Japan, residing at c/o Sumitomo Electric Industries, Ltd.; 1-1, Koyakita 1-chome; Itami-shi; Hyogo; 664-0016; JAPAN; and

I, Takahiro IMAI, a citizen of Japan, residing at c/o Sumitomo Electric Industries, Ltd.; 1-1, Koyakita 1-chome; Itami-shi; Hyogo; 664-0016; JAPAN;

and each of us, if more than one person is identified above (hereinafter "ASSIGNOR") in consideration of the sum of Ten Dollars (\$10.00), or the equivalent thereof, and other good and valuable consideration, the sufficiency of which and receipt of which are hereby acknowledged, paid to ASSIGNOR by

Sumitomo Electric Industries, Ltd.

a Corporation organized under the laws of Japan, located at 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka, 541-0041, JAPAN (hereinafter "ASSIGNEE"), do hereby sell and assign to said ASSIGNEE, its successors and assigns, the below indicated right, title, and interest, **in and for the United States of America only** in and to my Invention entitled:

**PROCESS FOR PRODUCING DIAMOND ELECTRON EMISSION ELEMENT AND
ELECTRON EMISSION ELEMENT**

invented by me and described in the specification bearing the above Attorney Docket No. and title executed by me concurrently herewith; and Patent Application No. PCT/JP2004/014671, filed on September 29, 2004, in the PCT and all patents, divisions, reissues, continuations and any extensions thereof and rights of priority therein, said interest being my entire ownership interest in the same, to be held and enjoyed by said ASSIGNEE, its successors, assigns, or

other legal representatives, to the full end of the term thereof, as fully and entirely as the same would have been held and enjoyed by me if this assignment and sale had not be made;

And for the consideration aforesaid, I hereby covenant and agree to and with said ASSIGNEE, its successors and assigns, that whenever ASSIGNEE, its counsel or representative, or the counsel or representative of its successors or assigns, shall advise that an amendment to, or a division of, or any other proceeding or action in connection with an application concerning said Invention, including interference proceedings, is lawful and desirable, or that a reissue or continuation or extension of such application or patent issuing therefrom is lawful and desirable, I will sign all papers and drawings, take all rightful oaths and affidavits, and do all acts necessary or required to be done for the procurement of all lawful rights associated with the Invention, or for the reissue or continuation or extension of the same, will do all acts necessary or required to secure in said ASSIGNEE, its successors or assigns, the title to and full benefit of all rights hereby assigned, without charge to said ASSIGNEE or its successors or assigns, but at its or their expense; and I hereby appoint every present or future officer of said ASSIGNEE as my agent to sign all such papers and to do all such necessary acts on my behalf, to the fullest extent permitted by law;

And I hereby authorize and request the Commission of Patents and Trademarks and any other granting authority to issue any Letters Patent resulting from said Invention and application(s) concerning same to said ASSIGNEE.

This assignment shall have an effective date corresponding to the last date of execution.

I declare under penalty of perjury under the laws of the United States of America, and under penalty of the laws of any other jurisdiction before which this document may be presented, that I have signed this document as my own free act and that all of the foregoing is true and correct.

Dated: Sep. 21. 2005.

Natsuo Tatsumi
Natsuo TATSUMI, Inventor

Dated: Sep. 22. 2005

Dated: Sep. 21. 2005

Dated: Sep. 21. 2005

Akihiko Namba
Akihiko NAMBA, Inventor

Yoshiki Nishibayashi
Yoshiki NISHIBAYASHI, Inventor

Takahiro Imai
Takahiro IMAI, Inventor