

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT

**CONVEYING PARTY DATA**

Name	Execution Date
INTERNATIONAL SUPERCONDUCTIVITY TECHNOLOGY CENTER	11/26/2004
ASAHI GLASS COMPANY LTD.	08/05/2004
ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES	11/26/2004
SUMITOMO METAL INDUSTRIES, LTD.	11/26/2004
KYUSHU ELECTRIC POWER CO., INC.	11/26/2004
RAILWAY TECHNICAL RESEARCH INSTITUTE	11/26/2004

**RECEIVING PARTY DATA**

<b>Name:</b>	NEW ENERGY AND INDUSTRIAL TECHNOLOGY DEVELOPMENT ORGANIZATION
<b>Street Address:</b>	1-1, Higashi Ikebukuro 3-chome
<b>City:</b>	Toshima-ku, Tokyo
<b>State/Country:</b>	JAPAN

<b>Name:</b>	INTERNATIONAL SUPERCONDUCTIVITY TECHNOLOGY CENTER
<b>Street Address:</b>	34-3 Shinbashi 5-chome
<b>City:</b>	Minato-ku, Tokyo
<b>State/Country:</b>	JAPAN

<b>Name:</b>	ASAHI GLASS COMPANY LTD.
<b>Street Address:</b>	12-1, Yurakucho 1-chome
<b>City:</b>	Chiyoda-ku, Tokyo
<b>State/Country:</b>	JAPAN

<b>Name:</b>	SUMITOMO METAL INDUSTRIES, LTD.
<b>Street Address:</b>	5-33, Kitahama 4-chome Chuo-ku
<b>City:</b>	Osaka-shi, Osaka-fu
<b>State/Country:</b>	JAPAN

<b>Name:</b>	KYUSHU ELECTRIC POWER CO., INC.
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OP \$40.00 5407907

Street Address:	1-82, Watanabedori 2-chome
City:	Chuo-ku, Fukuoka-shi, Fukuoka-ken
State/Country:	JAPAN

Name:	RAILWAY TECHNICAL RESEARCH INSTITUTE
Street Address:	8-38, Hikaricho 2-chome
City:	Kokubunji-shi, Tokyo
State/Country:	JAPAN

Name:	ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD.
Street Address:	2-1, Otemachi 2-chome
City:	Chiyoda-ku, Tokyo
State/Country:	JAPAN

PROPERTY NUMBERS Total: 1

Property Type	Number
Patent Number:	5407907

**CORRESPONDENCE DATA**

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NAME OF SUBMITTER:	George A. Loud
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Total Attachments: 7  
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## ASSIGNMENT

WHEREAS, WE:

INTERNATIONAL SUPERCONDUCTIVITY TECHNOLOGY CENTER (hereinafter "ISTEC"), a corporation organized under the laws of Japan and having a place of business at 34-3, Shinbashi 5-chome, Minato-ku, Tokyo, Japan;

ASAHI GLASS COMPANY LTD. (hereinafter "ASAHI GLASS"), a corporation organized under the laws of Japan and having a place of business at 12-1, Yurakucho 1-chome, Chiyoda-ku, Tokyo, Japan;

ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES CO., LTD. (formerly ISHIKAWAJIMA-HARIMA JUKOGYO KABUSHIKI KAISHA; hereinafter "ISHIKAWAJIMA-HARIMA") a corporation organized under the laws of Japan and having a place of business at 2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, Japan;

SUMITOMO METAL INDUSTRIES, LTD. (hereinafter "SUMITOMO METAL") a corporation organized under the laws of Japan and having a place of business at 5-33, Kitahama 4-chome, Chuo-ku, Osaka-shi, Osaka-fu, Japan;

KYUSHU ELECTRIC POWER CO., INC. (hereinafter "KYUSHU ELECTRIC") a corporation organized under the laws of Japan and having a place of business at 1-82, Watanabedori 2-chome, Chuo-ku, Fukuoka-shi, Fukuoka-ken, Japan;

RAILWAY TECHNICAL RESEARCH INSTITUTE (hereinafter "RAILWAY") a corporation organized under the laws of Japan and having a place of business at 8-38, Hikaricho 2-chome, Kokubunji-shi, Tokyo, Japan;

(hereinafter "ASSIGNORS"), are owners, by assignment, of United States Letters Patent No. 5,407,907 issued April 18, 1995 for "METHOD OF PREPARING METAL OXIDE CRYSTAL";

WHEREAS,

NEW ENERGY AND INDUSTRIAL TECHNOLOGY DEVELOPMENT ORGANIZATION (hereinafter "NEDO"), having a place of business at 1-1, Higashi Ikebukuro 3-chome, Toshima-ku, Tokyo, Japan is desirous of obtaining an undivided 50% interest in said United States Letters Patent;

ISTEC is desirous of retaining an undivided 25% interest in said United States Letters Patent;

ASAHI GLASS is desirous of retaining an undivided  $25 \times 5/12\%$  interest in said United States Letters Patent;

ISHIKAWAJIMA-HARIMA is desirous of retaining an undivided  $25 \times 4/12\%$  interest in said United States Letters Patent;

SUMITOMO METAL is desirous of retaining an undivided  $25 \times 1/12\%$  interest in said United States Letters Patent;

KYUSHU ELECTRIC is desirous of retaining an undivided  $25 \times 1/12\%$  interest in said United States Letters Patent;

RAILWAY is desirous of retaining an undivided  $25 \times 1/12\%$  interest in said United States Letters Patent;

NOW THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) and other

good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS by these presents do hereby assign and transfer unto said NEDO, ISTEK, ASAHI GLASS, ISHIKAWAJIMA-HARIMA, SUMITOMO METAL, KYUSHU ELECTRIC and RAILWAY (hereinafter "ASSIGNEES"), their successors, legal representatives, heirs and assigns, the entire right, title and interest of ASSIGNORS in said United States Letters Patent and to all reissues and extensions of said Letters Patent, to be held and enjoyed by ASSIGNEES, for their use and behoof and for their legal representatives, successors, heirs, and assigns, to the full end of the term for which said Letters Patent is granted and any extensions thereof, as fully and entirely as the same would have been held by ASSIGNORS had this assignment and sale not been made, as follows:

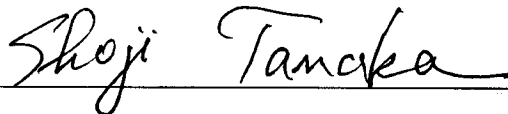
NEDO	50% interest and title
ISTEK	25% interest and title
ASAHI GLASS	25×5/12% interest and title
ISHIKAWAJIMA-HARIMA	25×4/12% interest and title
SUMITOMO METAL	25×1/12% interest and title
KYUSHU ELECTRIC	25×1/12% interest and title
RAILWAY	25×1/12% interest and title

And for the same consideration, ASSIGNORS hereby covenant and agree that, at the time of execution and delivery of this instrument, they hold good and full right and lawful authority to sell and convey their respective interests in said Letters Patent above mentioned in the manner herein set forth; and for the same consideration ASSIGNORS hereby covenant and agree that they will, wherever counsel of ASSIGNEES, or the counsel of their successors, legal

representatives, heirs or assigns, shall advise that any proceeding in connection with said Letters Patent in the United States, including interference proceedings, is lawful and desirable, or that any reissue or extension of said Letters Patent is lawful and desirable, or that any reissue or extension of said Letters Patent is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement and defense of said Letters Patent, without charge to ASSIGNEES or to their successors, legal representatives, heirs and assigns, but at the cost and expense of ASSIGNORS, their successor, legal representatives, heirs and assigns.

INTERNATIONAL SUPERCONDUCTIVITY  
TECHNOLOGY CENTER

By: Shoji Tanaka



(Signature)

Vice President

Nov. 26, 2004

ASAHI GLASS COMPANY LTD.

Toru Ueno

Toru Ueno

(Signature)

Title: Director Intellectual Property Division

Aug. 5, 2004

ISHIKAWAJIMA-HARIMA HEAVY INDUSTRIES  
CO., LTD.

By: Junichi Hamanaka

Junichi Hamanaka

(Signature)

Title: Executive Vice President

Date: Nov. 26, 2004

SUMITOMO METAL INDUSTRIES, LTD.

Hiroaki Miura



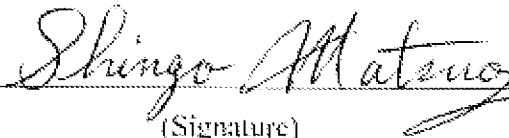
(Signature)

General Manager of Intellectual  
Property Department

Date: Nov. 26, 2004

KYUSHU ELECTRIC POWER CO., INC.

Shingo Matsuo



(Signature)

Title: President

Nov. 26, 2004



RAILWAY TECHNICAL RESEARCH INSTITUTE

By: Hiroumi Soejima

Hiroumi Soejima  
(Signature)

Title: President

Date: Nov. 26, 2004