

PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Showa Electric Wire & Cable Co., Ltd.	11/04/2004
RECEIVING PARTY DATA	
Name:	National Institute for Materials Science
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PROPERTY NUMBERS Total: 1	
Property Type	Number
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ASSIGNMENT

WHEREAS, the undersigned, SHOWA ELECTRIC WIRE & CABLE CO., LTD., of KANAGAWA-KEN, JAPAN, is one-half (1/2) owner of U.S. Patent No. 5,534,087 issued July 9, 1996; and

WHEREAS, National Research Institute for Metals, became National Institute for Materials Science, by name-change, effective April 1, 2001;

WHEREAS, National Institute for Materials Science, having its principal office at 2-1, Sengen 1-chome, Tsukuba-shi, Ibaraki 305-0047, JAPAN, is desirous of acquiring the entire right, title and interest in and to said Letters Patent of the United States and Letters Patent in any and all foreign countries which may be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto the said National Institute for Materials Science, its legal representatives, successors and assigns, the entire right, title and interest in and to said invention, as described in U.S. Letters Patent No. 5,534,087 Issued July 9, 1996 entitled METHOD OF PRODUCING CU-AG ALLOY BASED CONDUCTIVE MATERIAL, and in and to all patents of the United States and in any and all foreign countries which may be issued for said invention, and in and to all patent applications, continuations, continuations-in-part, divisionals, reexaminations and reissues of said invention as described in the above-mentioned patent in the

United States and in any and all foreign countries, as fully and completely as the same would have been held by us had this Assignment and sale not been made, together with all claims for damages by reason of past infringement with the right to sue for and collect the same and obtain all other possible remedies for its own use and enjoyment and for the use and enjoyment of its successors, assigns or other legal representatives. The said entire right, title and interest shall vest irrevocably in said National Institute for Materials Science.

We further agree upon request, without additional compensation but at no expense to us, to execute or assent to foreign applications, and to execute all other legal documents as may be necessary or desirable to vest the enjoyment of the entire right, title and interest hereby transferred in said National Institute for Materials Science, its legal representatives, successors and assigns, or as the said company may direct.

SHOWA ELECTRIC WIRE & CABLE
CO., LTD.

November 4, 2004
Date

By: Kiyoshi Shibuya
Kiyoshi SHIBUYA
General Manager of Intellectual
Property Division