

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1"><thead><tr><th>Name</th><th>Execution Date</th></tr></thead><tbody><tr><td>Hiroshi SHINRIKI</td><td>03/06/2007</td></tr><tr><td>Hiroaki INOUE</td><td>03/06/2007</td></tr></tbody></table>	Name	Execution Date	Hiroshi SHINRIKI	03/06/2007	Hiroaki INOUE	03/06/2007					
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RECEIVING PARTY DATA											
<table border="1"><tr><td>Name:</td><td>ASM JAPAN K.K.</td></tr><tr><td>Street Address:</td><td>23-1, 6-chome, Nagayama</td></tr><tr><td>City:</td><td>Tama-shi, Tokyo</td></tr><tr><td>State/Country:</td><td>JAPAN</td></tr><tr><td>Postal Code:</td><td>206-0025</td></tr></table>	Name:	ASM JAPAN K.K.	Street Address:	23-1, 6-chome, Nagayama	City:	Tama-shi, Tokyo	State/Country:	JAPAN	Postal Code:	206-0025	
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PROPERTY NUMBERS Total: 1											
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CORRESPONDENCE DATA											
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Total Attachments: 1 source=Assignment_ASMJP-204AUS#page1.tif											

OP \$40.00 11469828

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PATENT
REEL: 018983 FRAME: 0346

ASSIGNMENT

WHEREAS, We, Hiroshi Shinriki, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, and Hiroaki Inoue, a Japanese citizen, residing at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, have invented certain new and useful improvements in a METHOD OF FORMING RUTHENIUM FOR METAL WIRING STRUCTURE for which we have executed an application for Letters Patent in the United States, on September 1, 2006 as Application Serial No. 11/469,828;

AND WHEREAS, ASM JAPAN K. K. (hereinafter "ASSIGNEE"), a Japan Corporation, with its principal place of business at 23-1, 6-chome, Nagayama, Tama-shi, Tokyo 206-0025 Japan, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

This 6th day of March, 2007

Hiroshi Shinriki
Hiroshi SHINRIKI

This 6th day of March, 2007

Hiroaki Inoue
Hiroaki INOUE

Shingo Ikeda
Witness

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