

PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT						
NATURE OF CONVEYANCE:	ASSIGNMENT						
CONVEYING PARTY DATA							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Cornel Danciu</td> <td>09/30/2002</td> </tr> <tr> <td>Thomas Abels</td> <td>10/07/2002</td> </tr> </tbody> </table>		Name	Execution Date	Cornel Danciu	09/30/2002	Thomas Abels	10/07/2002
Name	Execution Date						
Cornel Danciu	09/30/2002						
Thomas Abels	10/07/2002						
RECEIVING PARTY DATA							
Name:	Toyo Tanso Co., Ltd.						
Street Address:	7-12, 5-chome, Takeshima						
Internal Address:	Nishiyodogawa-ku						
City:	Osaku						
State/Country:	JAPAN						
Postal Code:	555-0011						
PROPERTY NUMBERS Total: 1							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>12150207</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	12150207		
Property Type	Number						
Application Number:	12150207						
CORRESPONDENCE DATA							
Fax Number:	(503)595-5301						
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>							
Phone:	503-595-5300						
Email:	christine.wolfe@klarquist.com						
Correspondent Name:	Jeffrey B. Haendler						
Address Line 1:	121 SW Salmon Street						
Address Line 2:	One World Trade Center, Suite 1600						
Address Line 4:	Portland, OREGON 97204						
ATTORNEY DOCKET NUMBER:	6748-62973-02						
NAME OF SUBMITTER:	Jeffrey B. Haendler						

Total Attachments: 3
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ASSIGNMENT

WHEREAS, we, Cornel Danciu, of Portland, County of Multnomah, State of Oregon, and Thomas Abels, of Fairview, County of Multnomah, State of Oregon, have invented a certain invention, entitled SHIELDING ASSEMBLY FOR SEMICONDUCTOR MANUFACTURING APPARATUS AND METHOD OF USING THE SAME, for which the following applications have been filed:

U.S. Provisional Application No. 60/300,313, filed June 22, 2001 (the '313 application), and

U.S. Application No. 10/177,970, filed June 21, 2002 and claiming the benefit of the '313 application; and

WHEREAS, Toyo Tanso Co., Ltd., having a place of business at 7-12, 5-chome, Takeshima, Nishiyodogawa-ku, Osaku, 555-0011 Japan, desires to acquire an interest therein:

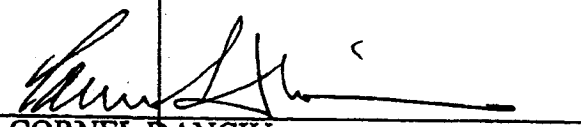
NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, Cornel Danciu and Thomas Abels, hereby sell, assign and transfer to Tanyo Tanso Co., Ltd., the full and exclusive right, title and interest in and to said invention, patent applications and patent rights throughout the world, including foreign patent priority rights, the right to file and prosecute International Applications under the Patent Cooperation Treaty, and the right to file and prosecute applications under the European Patent Convention; said invention, applications and letters patent in this or any foreign country, and all divisions, continuations, reissues and extensions thereof, to be held and enjoyed by Tanyo Tanso Co., Ltd., for its own use and benefit, and for its successors and assigns to the full end of the term for which letters patent may be granted in this or any foreign country, as fully and entirely as the same would have been held by us had this assignment and sale not been made, and covenant that we have full right so to

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do, and agree that we will communicate to Tanyo Tanso Co., Ltd., or its successors and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths, and do everything possible to aid Tanyo Tanso Co., Ltd., its successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

We hereby grant the law firm of Klarquist Sparkman, LLP, the power to insert on this Assignment any further information which may be necessary or desirable in order to comply with all applicable legal requirements, including the rules of the United States Patent and Trademark Office, for submitting and recording this document.

Executed at the place and date opposite our respective signatures below.



CORNEL DANCIU

At Troutdale Oregon
(City and State)
on this 30th day of Sept., 2002.

STATE OF OREGON)
) ss.
COUNTY OF)

This 30th day of September, 2002, before me personally came the above-named Cornel Danciu, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.




Notary Public for Oregon
My commission expires: 12/22/05

[SEAL]

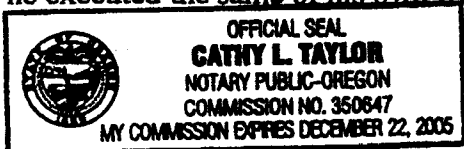
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Thomas M
THOMAS ABELS

At Troutdale, Oregon
(City and State)
on this 7 day of October, 2002.

STATE OF OREGON)
COUNTY OF MULTNOMAH) ss.

This 7th day of October, 2002, before me personally came the above-named Thomas Abels, who executed the foregoing instrument in my presence, and who acknowledged to me that he executed the same of his own free will for the purposes set forth therein.



Cathy L. Taylor
Notary Public For Oregon
My commission expires: 12/22/05

[SEAL]