

# PATENT ASSIGNMENT

Electronic Version v1.1

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SUBMISSION TYPE:	NEW ASSIGNMENT																														
NATURE OF CONVEYANCE:	ASSIGNMENT																														
<b>CONVEYING PARTY DATA</b> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width: 70%; padding: 5px;">Name</th> <th style="width: 30%; padding: 5px;">Execution Date</th> </tr> </thead> <tbody> <tr><td style="padding: 5px;">Masaki Ohara</td><td style="padding: 5px;">08/08/2006</td></tr> <tr><td style="padding: 5px;">Takanori Igarashi</td><td style="padding: 5px;">08/08/2006</td></tr> <tr><td style="padding: 5px;">Masaharu Sugiyama</td><td style="padding: 5px;">07/31/2006</td></tr> <tr><td style="padding: 5px;">Seiji Yamada</td><td style="padding: 5px;">08/08/2006</td></tr> <tr><td style="padding: 5px;">Kenichi Takahashi</td><td style="padding: 5px;">08/08/2006</td></tr> <tr><td style="padding: 5px;">Motoe Yoshitsugu</td><td style="padding: 5px;">08/17/2006</td></tr> <tr><td style="padding: 5px;">Akihisa Inoue</td><td style="padding: 5px;">08/10/2006</td></tr> <tr><td style="padding: 5px;">Hisamichi Kimura</td><td style="padding: 5px;">08/10/2006</td></tr> <tr><td style="padding: 5px;">Atsuo Mochizuki</td><td style="padding: 5px;">08/04/2006</td></tr> </tbody> </table>		Name	Execution Date	Masaki Ohara	08/08/2006	Takanori Igarashi	08/08/2006	Masaharu Sugiyama	07/31/2006	Seiji Yamada	08/08/2006	Kenichi Takahashi	08/08/2006	Motoe Yoshitsugu	08/17/2006	Akihisa Inoue	08/10/2006	Hisamichi Kimura	08/10/2006	Atsuo Mochizuki	08/04/2006										
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CH \$40.00 10599293

500158235

**PATENT**  
**REEL: 018325 FRAME: 0820**

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	10599293

CORRESPONDENCE DATA

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ATTORNEY DOCKET NUMBER:	IWI-16783
NAME OF SUBMITTER:	Kenneth A. Clark

Total Attachments: 4  
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## ASSIGNMENT

WHEREAS, new and useful improvements have been made by the undersigned in

METALLIC GLASS LAMINATES, PRODUCTION METHODS AND APPLICATIONS THEREOF

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that are the subject of an application for a U.S. Patent, (Application No. 10/599293, filed 25 Sept. 2006 ), which application is further identified as Rankin, Hill, Porter & Clark LLP Docket No. IWI-16783

WHEREAS, TOPY KOGYO KABUSHIKI KAISHA, a corporation of Japan, and having a place of business at 5-9, Yonban-cho, Chiyoda-ku, Tokyo 102-8448 JAPAN, and Tohoku University, a corporation of Japan, and having a place of business at 1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 JAPAN, and INOUE Akihisa, an individual having a place of residence at c/o Tohoku University, 1-1, Katahira 2-chome, Aoba-ku, Sendai-shi, Miyagi 980-8577 JAPAN hereinafter commonly referred to as "assignee", are desirous of jointly acquiring all right, title, and interest throughout the world in, to, and under said improvements and inventions and patent rights therefor.

NOW, THEREFORE, be it known that, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, all right, title, and interest, in the United States and throughout the world, in, to and under said improvements and inventions and all patents, patent applications, patent rights, and inventor's certificates thereof, therefor, and therein, including without limitation said application for patent in the United States, all divisions and continuations thereof, all patents which may be granted thereon, all reissues and extensions thereof, all right to sue for past infringement thereunder, all patents which may be granted for said improvements and inventions by states or nations other than the United States, or by other authority, entity, or organization, and all applications therefor, have been and are hereby sold, assigned, transferred, and delivered unto assignee, its successors and assigns; and it is covenanted and agreed by the undersigned, and for executors, administrators, and legal representatives of the undersigned, that at assignee's request any and all applications, affidavits, assignments, and other instruments will be made, executed, and delivered as may be necessary, or desirable to secure for or vest in assignee, its successors or assigns, any improvement, inventions, right, title, interest, application, patent, patent right or other right or property covered by this assignment, and the United States Commissioner of Patents and Trademarks is hereby requested and authorized to issue any and all United States patents granted on any of said applications to assignee as owner of the entire right, title, and interest in, to, and under the same, and appropriately empowered officials of foreign countries are hereby authorized to issue any letters patent granted on any of said applications to assignee as owner of the entire right, title and interest in, to, and under the same.

The undersigned hereby grants the firm of Rankin, Hill, Porter & Clark LLP the power to insert on this assignment any identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, this assignment has been executed below by the undersigned:

(1) Inventor Name (sole or joint): **OHARA Masaki**

Signature: Ohara Masaki

Today's Date : Aug. 8. 2006

Witness: Masahiro Nakajima

Witness: Wobuyoshi Watanabe

(2) Inventor Name (joint): **IGARASHI Takanori**

Signature: Igarashi Takanori

Today's Date : Aug. 8 2006

Witness: Masahiro Nakajima

Witness: Wobuyoshi Watanabe

(3) Inventor Name (joint): **SUGIYAMA Masaharu**

Signature: Sugiyama Masaharu

Today's Date : July, 31, 2006

Witness: Masahiro Nakajima

Witness: Wobuyoshi Watanabe

(4) Inventor Name (joint): **YAMADA Seiji**  
Signature: Yamada, Seiji  
Today's Date : Aug. 8. 2006

Witness: Masahiro Nakajima  
Witness: Hobuyoshi Watanabe

(5) Inventor Name (joint): **TAKAHASHI Kenichi**  
Signature: Kenichi Takahashi  
Today's Date : Aug. 8th 2006

Witness: Masahiro Nakajima  
Witness: Hobuyoshi Watanabe

(6) Inventor Name (joint): **MOCHIZUKI Atsuo**  
Signature: Atsuo Mochizuki  
Today's Date : August 8th 2006

Witness: Masahiro Nakajima  
Witness: Hobuyoshi Watanabe

(7) Inventor Name (joint): **MOTOE Yoshitsugu**  
Signature: Motoe Yoshitsugu  
Today's Date : Aug 17 2006

Witness: Masahiro Nakajima  
Witness: Hobuyoshi Watanabe

(8) Inventor Name (joint): **INOUE Akihisa**

Signature: Akihisa Inoue

Today's Date : August 10, 2006

Witness: Masahiro Nakajima

Witness: Shigehiko Ohtanaka

(9) Inventor Name (joint): **KIMURA Hisamichi**

Signature: Hisamichi Kimura

Today's Date : August 10, 2006

Witness: Masahiro Nakajima

Witness: Shigehiko Ohtanaka