

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
Sam X. Sun	03/31/2009
Hao Xu	03/31/2009
Tony D. Flaim	03/31/2009
RECEIVING PARTY DATA	
Name:	Brewer Science Inc.
Street Address:	2401 Brewer Drive
City:	Rolla
State/Country:	MISSOURI
Postal Code:	65401
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	13114612
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NAME OF SUBMITTER:	Tracy Bornman
Total Attachments: 3 source=Assignment_to_PTO#page1.tif source=Assignment_to_PTO#page2.tif source=Assignment_to_PTO#page3.tif	

CH \$40.00 13114612

A S S I G N M E N T

WHEREAS, WE, Sam X. Sun, OF, 12520 Curry Court, Rolla, Missouri 65401, Hao Xu, OF, 1421 Overland Drive, Rolla, Missouri 65401, and Tony D. Flaim, OF, 16710 MO. Hwy. 68, St. James, Missouri 65559, have invented certain new and useful improvements in
ON-TRACK PROCESS FOR PATTERNING HARDMASK BY MULTIPLE DARK FIELD
EXPOSURES

which is the subject of U.S. Patent Application No. 12/362,268, filed January 29, 2009; and

WHEREAS, Brewer Science Inc., a corporation duly organized under the laws of the State of Missouri, and having its principal place of business at 2401 Brewer Drive, Rolla, Missouri 65401, is desirous of acquiring an interest in, to, and under said invention, said Application and any and all Letters Patent which may be granted for or upon said invention in the United States of America and all countries foreign thereto.

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledge, WE Sam X. Sun, OF, 12520 Curry Court, Rolla, Missouri 65401, Hao Xu, OF, 1421 Overland Drive, Rolla, Missouri 65401, and Tony D. Flaim, OF, 16710 MO. Hwy. 68, St. James, Missouri 65559, have sold, assigned, and transferred, and by these presents do sell, assign, and transfer unto said Brewer Science Inc., the full and exclusive right, title, and interest, throughout the world, in, to, and under the following:

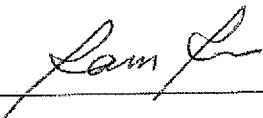
- (a) said invention as fully set forth and described in said Application;
- (b) said Application Serial No. 12/362,268, filed January 29, 2009;
- (c) any and all refilings, divisions, and continuations of said Application;
- (d) any and all Letters Patent of the United States of America that may issue from said Application, refilings, divisions, and continuations;
- (e) any and all reissues of said Letters Patent of the United States of America;
- (f) any and all applications for Letters Patent on said invention that may hereafter be filed in any and all countries foreign to the United States of America, together with all rights to file and to claim priority in connection with said foreign-filed applications;
- (g) any and all refilings, divisions, and continuations of said foreign-filed applications;

(h) any and all Letters Patent of countries foreign to the United States of America that may issue from said foreign-filed applications, refilings, divisions, and continuations; and


(i) any and all extension of, and additions to, said Letters Patent of countries foreign to the United States of America.

ALL of the above shall be held and enjoyed by said Brewer Science Inc. for its own use and behoof, and for its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent in accordance with this Assignment.

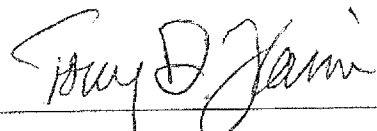
Executed this 31st day of March, 2009.



Sam X. Sun



Hao Xu



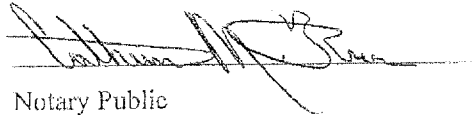
Tony D. Flaim

STATE OF Missouri)
)SS.

COUNTY OF Phelps)

On this 31st day of March, 2009, before me personally appeared, Sam X. Sun, OF, 12520 Curry Court, Rolla, Missouri 65401, Hao Xu, OF, 1421 Overland Drive, Rolla, Missouri 65401, and Tony D. Flaim, OF, 16710 MO. Hwy. 68, St. James, Missouri 65559, to me known to be the persons described in and who executed the foregoing instrument, and they duly acknowledged to me that they executed the same for the uses and purposes therein set forth.

CATHERINE M. FRANK
Notary Public-Notary Seal
State of Missouri-County of Phelps
My Commission Expires 4 / 10 / 2011
Commission #07389650


Notary Public

My Commission Expires: 4/10/2011