

**TRADEMARK ASSIGNMENT**

Electronic Version v1.1  
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SUBMISSION TYPE:	NEW ASSIGNMENT		
NATURE OF CONVEYANCE:	RELEASE BY SECURED PARTY		
<b>CONVEYING PARTY DATA</b>			
<b>Name</b>	<b>Formerly</b>	<b>Execution Date</b>	<b>Entity Type</b>
Middlesex Savings Bank		08/05/2010	Banking Corporation: MASSACHUSETTS
<b>RECEIVING PARTY DATA</b>			
<b>Name:</b>	Crystal Systems, Inc.		
<b>Street Address:</b>	27 Congress Street		
<b>City:</b>	Salem		
<b>State/Country:</b>	MASSACHUSETTS		
<b>Postal Code:</b>	01970		
<b>Entity Type:</b>	CORPORATION: DELAWARE		
<b>PROPERTY NUMBERS Total: 3</b>			
<b>Property Type</b>	<b>Number</b>	<b>Word Mark</b>	
Registration Number:	1084417		
Serial Number:	77376592	FAST	
Registration Number:	3523763	HEM	
<b>CORRESPONDENCE DATA</b>			
Fax Number:	(617)742-2355		
	<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>		
Phone:	617-742-4200		
Email:	trademark@riw.com		
Correspondent Name:	Stacey C. Friends, Esq.		
Address Line 1:	Ruberto, Israel & Weiner, P.C.		
Address Line 2:	6th Floor		
Address Line 4:	Boston, MASSACHUSETTS 02114-2128		
ATTORNEY DOCKET NUMBER:	09130-42		
NAME OF SUBMITTER:	Stacey C. Friends, Esq.		

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**TRADEMARK  
 REEL: 004271 FRAME: 0178**

Signature:	/stacey c. friends/
Date:	09/02/2010
Total Attachments: 3 source=Mdsx.PTO.release (00115269)#page1.tif source=Mdsx.PTO.release (00115269)#page2.tif source=Mdsx.PTO.release (00115269)#page3.tif	

**RELEASE OF SECURITY INTEREST IN PATENTS AND TRADEMARKS**

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Middlesex Savings Bank, a Banking Corporation organized and existing under the laws of Massachusetts (the "Secured Party") having an office at 6 Main Street, Natick, Massachusetts 01760, does hereby certify that the security interest it holds in certain patents, patent applications, trademarks and trademark applications of Crystal Systems, Inc., a Delaware corporation (the "Debtor"), pursuant to that certain Collateral Patent, Trademark, Copyright and License Assignment, between Secured Party and Debtor, recorded in the United States Patent and Trademark Office on January 5, 2010, for Trademarks at Reel 004124, Frame 0391 and for Patents at Reel 023731, Frame 0162 (the "Security Agreement"), which patents, patent applications (collectively "Patents"), trademarks and trademark applications (collectively "Trademarks") are more fully identified on Schedule A annexed hereto and made a part hereof, together with the goodwill of the business symbolized thereby, is released and all interests in such property previously assigned to Secured Party under the Security Agreement is hereby reassigned to Debtor, without representation or warranty of any kind, nature or description.

IN WITNESS WHEREOF, Secured Party has caused this Release of Security Interest in Patents and Trademarks to be executed by its duly authorized signatory this 5th day of August, 2010.

Middlesex Savings Bank

By: Wayne Janelle  
Name: Wayne H Janelle  
Title: Assistant Vice President

COMMONWEALTH OF MASSACHUSETTS )

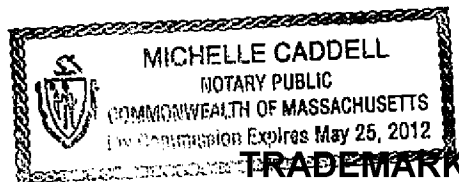
COUNTY OF Norfolk )

ss. : \_\_\_\_\_

On the 5 day of August, 2010, before me personally came Wayne Janelle to me known, who being by me duly sworn, did depose and say, that he/she is the Assistant Vice President of Middlesex Savings Bank, described herein and which executed the foregoing instrument and that he/she signed his/her name thereto pursuant to the authority granted by Middlesex Savings Bank

Michelle Cadell  
Notary Public

My Commission Expires: \_\_\_\_\_



**Crystal Systems' United States Patents**

Patent Number	Date Issued	Title	Inventor(s)
3,898,051	08/05/75	Crystal Growing	F. Schmid
4,092,972	06/06/78	Process of Cutting Wafers	F. Schmid
4,178,670	12/18/79	Process of Forming a Wirepack	F. Schmid
4,187,828	02/12/80	Cutting	F. Schmid
4,218,418	08/19/80	Process of Casting an Ingot and Making a Silica Container	F. Schmid, C. P. Khattak
4,256,079	03/17/81	Wire Blades	F. Schmid
4,256,530	03/17/81	Crystal Growing	F. Schmid, C. P. Khattak
4,287,869	09/08/81	Charging System for Cutting Blade	F. Schmid
4,349,178	09/14/82	Wire Blades	F. Schmid
4,384,564	05/24/83	Process of Forming a Plated Wirepack with Abrasive Particles Only in the Cutting Surface with Controlled Kerf	M. B. Smith, F. Schmid, C. P. Khattak
4,646,710	03/03/87	Multi-Wafer Slicing with a Fixed Abrasive	F. Schmid, C. P. Khattak, M. B. Smith
4,727,852	03/01/88	Multi-Wafer Slicing with a Fixed Abrasive (sic)	F. Schmid, C. P. Khattak, M. B. Smith
4,840,699	06/20/89	GaAs Crystal Growth	C. P. Khattak, V. E. White, F. Schmid, J. H. Wohlgemuth
5,394,825	03/07/95	Method and Apparatus for Growing Shaped Crystals	F. Schmid, C. P. Khattak, V. Gorbulev
5,438,973	08/08/95	Shaped Blades	F. Schmid, M. B. Smith, C. P. Khattak
5,842,462	12/01/98	Method and Apparatus to Produce a Radial Cut Profile	F. Schmid, M. B. Smith
5,972,107	10/26/99	Method for Purifying Silicon	F. Schmid, C. P. Khattak
6,368,403	04/09/02	Method and Apparatus for Purifying Silicon	F. Schmid, C. P. Khattak, D. B. Joyce
6,418,921	07/16/02	Method and Apparatus for Cutting Workpieces	F. Schmid, M. B. Smith, C. P. Khattak
7,344,596	03/18/08	System and Method for Crystal Growing	F. Schmid, C. P. Khattak, D. B. Joyce
61/110,814	Applic. 11/03/08	Process for Refining MG Silicon to Produce SoG Silicon	F. Schmid, D. B. Joyce

Crystal Systems, Inc. TRADEMARKS

Trademark Report by Mark

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COUNTRY	REFERENCE#	FILED	APPL#	REGDT	REG#	STATUS	CLASSES
<b>Design (Logo)</b>							
UNITED STATES	9130-34	8/30/1978	73/092,027	2/7/1978	1,064,417	REGISTERED	01
01 - Synthetic sapphire components intended for general industrial use							
<b>FAST</b>							
UNITED STATES	9130-28	1/21/2008	77/376,592			ALLOWED	07
07 - Industrial machines for industrial wafer slicing of ceramic materials							
<b>HEM</b>							
UNITED STATES	9130-29	3/8/2008	77/415,220	10/28/2008	3,523,763	REGISTERED	14
14 - Synthetic sapphires intended for general industrial use							

END OF REPORT

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