

PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
TCZ GMBH	09/13/2006
RECEIVING PARTY DATA	
Name:	TCZ PTE.LTD
Street Address:	1 Temasek Avenue
Internal Address:	#27-01 Millenia Tower
City:	Singapore
State/Country:	SINGAPORE
Postal Code:	039192
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	12979292
CORRESPONDENCE DATA	
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ATTORNEY DOCKET NUMBER:	16541-1507DV
NAME OF SUBMITTER:	Noel C. Gillespie
Total Attachments: 6 source=Assignment_TCZ_GMBH_to_TCZ_PTE_LTD#page1.tif source=Assignment_TCZ_GMBH_to_TCZ_PTE_LTD#page2.tif source=Assignment_TCZ_GMBH_to_TCZ_PTE_LTD#page3.tif source=Assignment_TCZ_GMBH_to_TCZ_PTE_LTD#page4.tif source=Assignment_TCZ_GMBH_to_TCZ_PTE_LTD#page5.tif source=Assignment_TCZ_GMBH_to_TCZ_PTE_LTD#page6.tif	

CH \$40.00 12979292

ASSIGNMENT

WHEREAS, **TCZ GmbH**, having a place of business at Bionstrasse 5, 9015 St. Gallen, Switzerland, (hereinafter referred to as "Assignor"), is the owner of the patent applications identified on the Schedule attached hereto and the inventions disclosed; and

WHEREAS, **TCZ PTE. LTD.** having its registered office at 1 Temasek Avenue, #27-01 Millenia Tower, Singapore 039192 (hereinafter referred to as "Assignee") desires to acquire the entire right, title and interest in and to the inventions identified on the attached Schedule, and in and to the applications and any Letters Patent that may issue thereon;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Assignor has assigned, sold, transferred and set over and by these presents do assign, sell transfer and set over unto said Assignee the entire right, title and interest in and to (a) said inventions and worldwide rights therein; (b) said applications, including, but not limited to, all divisions, continuations, continuations-in-part and substitutions thereof; and (c) all United States and foreign patents which shall issue on said invention, including, but not limited to, all reissues, renewals and extensions thereof, for the United States, its territories and possessions and all foreign countries, including the right to file corresponding applications for Letters Patent on said invention in any and all foreign countries, and to claim priority under any and all treaties and conventions to which the United States of America is signatory including, but not limited to, the Paris Convention for the Protection of Industrial Property for such corresponding applications, or any division, continuation or substitution thereof, the same to be held and enjoyed by said Assignee, its assigns and successors, as fully and entirely as the same would have been held and enjoyed by us, had this assignment not been made.

The Assignor covenants and agrees that it will, at any time upon the request and at the expense of said Assignee, execute and deliver any and all papers and do all lawful acts that may be necessary or desirable, in the opinion of said Assignee, to enable and assist said Assignee to (a) obtain Letters Patent, both domestic and foreign, on said invention; (b) establish, maintain and secure title in said Assignee, its successors and assigns, to said invention, applications and Letters Patent, including making such title of lawful public record; and (c) defend, establish or otherwise preserve the validity of said Letters Patent against any and all infringers, and perform such other acts as are necessary to give full force and effect to this assignment.

The Assignor represents and covenants that no assignment, mortgage, sale, license, pledge, encumbrance or alienation of said invention or patent applications has been or will be made or entered into which would conflict with this assignment and sale.

The Assignor hereby authorizes and requests the Director of Patents and Trademarks of the United States to issue all Letters Patent based on said applications and each division, continuation, continuation-in-part, substitution, reissue, renewal and extension thereof to said Assignee and its successors.

The Assignor hereby grants JOHN G. FLAIM, Registration No. 37,323, BRIAN C. McCORMACK, Registration No. 36,601, WILLIAM D. McSPADDEN, Registration No. 44,234, JAMES H. ORTEGA, Registration No. 50,554 and RICHARD V. WELLS, Registration No. 53,757, HOWARD N. WISNIA, Registration No. 37,502, NOEL C. GILLESPIE, Registration No. 47,596, LESTER J. ANDERSON, Registration No. 45,833, and ROGER C. KUAN, Registration No. 56,558 and all practitioners with the firm of Baker & McKenzie (Customer Number 23562) with an office at 2001 Ross Avenue, Suite 2300, Dallas, TX 75201, the power to insert on this assignment any further identification which may be necessary or

IN WITNESS WHEREOF, Assignor, by its duly authorized officer, has executed this assignment as of this 13th day of September, 2006.

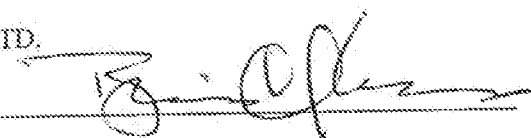
TCZ GMBH

By: 

Printed Name: Brian C. Klenz

Title: President + CEO

TCZ PTE. LTD.

By: 

Printed Name: Brian C. Klenz

Title: President + CEO

desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

The undersigned further declares that all statements made herein of their own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful and false statements may jeopardize the validity of the applications or any patent issued thereon.

This assignment may be executed in counterparts and will be deemed to be fully executed and accepted upon all parties having signed this assignment in counterparts.

Schedule A

Acty. Docket Number	Country	Application Serial No./Patent No.	Filing Date/Issue Date	Invention Title
67182669.001100	US	11/462915	8/7/2006	SYSTEMS AND METHODS FOR OPTIMIZING THE CRYSTALLIZATION OF AMORPHOUS SILICON
67182669.001200	US	11/381052	3/1/2006	SYSTEMS AND METHOD FOR OPTIMIZATION OF LASER BEAM SPATIAL INTENSITY PROFILE
67182669.001400	PCT	PCT/US2004/037617	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001401	Japan	not yet assigned	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001402	South Korea	10-2006-7012236	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001403	China	200480035031.5	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001404	Europe	04810724.7	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001405	Singapore	200603096-9	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001406	US	7,061,959	6/13/2006	LASER THIN FILM POLY-SILICON ANNEALING SYSTEM
67182669.001500	PCT	PCT/US2004/037618	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001501	Japan	not yet assigned	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001502	South Korea	10-2006-7012238	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001503	China	200480035030.0	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001504	Europe	04810725.4	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001505	Singapore	200603100-9	11/12/2004	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001506	US	7,009,140	3/7/2006	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001507	US	11/201877	8/11/2005	LASER THIN FILM POLY-SILICON ANNEALING OPTICAL SYSTEM
67182669.001600	US	10/781251	2/18/2004	VERY HIGH ENERGY, HIGH STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM
67182669.001601	PCT	PCT/US2004/024160	7/26/2004	VERY HIGH ENERGY, HIGH

Atty. Docket Number	Country	Application Serial No./Patent No.	Filing Date/Issue Date	Invention Title
				STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM
67182669.001602	EP	04821542.0	7/26/2004	VERY HIGH ENERGY, HIGH STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM
67182669.001603	Japan	2006-521997	7/26/2004	VERY HIGH ENERGY, HIGH STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM
67182669.001604	South Korea	2006-7901963	7/26/2004	VERY HIGH ENERGY, HIGH STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM
67182669.001605	Singapore	200600352-9	7/26/2004	VERY HIGH ENERGY, HIGH STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM
67182669.001606	China	200480022261.8	7/26/2004	VERY HIGH ENERGY, HIGH STABILITY GAS DISCHARGE LASER SURFACE TREATMENT SYSTEM

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