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	NEW ASSIGNMENT				
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DATA					
Name Execution Date					
Katsuhiko Kemmochi 12/06/20		12/06/2006			
Yasuo Ohama 12/11/2006					
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Heraeus Shir	n-Etsu America, Inc.				
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ATTORNEY DOCKET NUMBER:	4666-029		
NAME OF SUBMITTER:	Alan T. McCollom		
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PATENT APPLICATION PATENT Attorney's Docket No. 4666-029

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Title of		

Invention: A CRUCIBLE HAVING A DOPED UPPER WALL PORTION AND METHOD FOR MAKING THE SAME

U.S. Patent Application:

Application Serial No.: 11/612,327

Filing Date: December 18, 2006

U.S. Patent No.:

Issued:

For good and valuable consideration, the receipt of which is hereby acknowledged, the above-named Assignors hereby sell, assign and transfer to Assignees, the full and

PATENT REEL: 018699 FRAME: 0380 exclusive right, title and interest in and to the above-identified invention, patent application and patent rights throughout the world, including foreign patent priority rights; said invention, application and letters patent in this or any foreign country, and all divisions, continuations, reissues, non-provisionals and extensions thereof, to be held and enjoyed jointly by Assignees, for their own use and benefit, and for their 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 Assignors had this assignment and sale not been made, and covenant that Assignors have full right so to do, and agree that Assignors will communicate to Assignees, or their successors and assigns, any facts known to Assignors respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing, non-provisional and reissue applications, make all rightful oaths, and do everything possible to aid Assignees, their successors and assigns to obtain and enforce proper patent protection for said invention in this or any foreign country.

In the event that the patent application filing date or serial number is not known at the time this document is executed, Assignors hereby grant permission to the attorneys of record in the patent application to fill in the filing date and/or serial number above, and to record this assignment after such information is added.

Executed at <u>Vancouver</u>, <u>Uhshington</u>, this <u>b</u> day of <u>December</u>, 2006.

Katsuhiko Kemmochi Assignor

Executed at	Fakai	, Japan	, this // day of
December, 2006.			

Mana Yasu& Ohama

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