

## PATENT ASSIGNMENT COVER SHEET

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<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
HANS STRAUVEN	02/03/2011
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<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
Application Number:	14179085
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<b>SIGNATURE:</b>	/Cheryl L. Gastineau/
<b>DATE SIGNED:</b>	10/07/2014
<b>Total Attachments: 1</b>	
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### ASSIGNMENT CONFIRMATION

WHEREAS, I (we), Hans STRAUVEN whose post office address(es) appear(s) below, hereinafter referred to as ASSIGNOR, is(are) the owner of certain new and useful improvements in CELLULAR CERAMIC PLATES WITH ASYMMETRICAL CELL STRUCTURE AND MANUFACTURING METHOD THEREOF (hereinafter referred to as the INVENTION) for which an application for United States Letters Patent was

- executed on even date herewith
- executed on:
- filed on: November 22, 2010 Application No.: 12/994,004
- established by PCT International Patent Application No.: \_\_\_\_\_ filed: \_\_\_\_\_ designating the United States of America

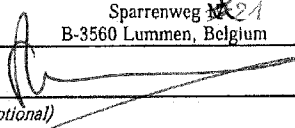
WHEREAS, PITTSBURGH CORNING EUROPE NV whose post office address is Albertkade 1, B-3980 Tessenderlo, Belgium hereinafter referred to as ASSIGNEE, wishes to confirm that it owns the entire right, title and interest in and to the same in the United States;

NOW, THEREFORE, for good and valuable consideration previously received and acknowledged, I (we), ASSIGNOR, by these presents to hereby confirm the assignment and transfer under my Employment Agreement with Pittsburgh Corning Europe NV dated December 31, 1987 unto said ASSIGNEE, the entire right, title and interest in and to said INVENTION, and application throughout the United States of America, including any and all Letters Patent grant on any division, continuation, continuation-in-part and reissue of said application.

ALSO, ASSIGNOR hereby agrees to execute any documents that legally may be required in connection with the filing, prosecution and maintenance of said application or any other patent application(s) in the United States for said INVENTION, including additional documents that may be required to affirm the rights of ASSIGNEE in and to said INVENTION, all without further consideration. ASSIGNOR also agrees, without further consideration and at ASSIGNEE's expense, to identify and communicate to ASSIGNEE at ASSIGNEE's request documents and information concerning the INVENTION that are within ASSIGNOR's possession or control, and to provide further assurances and testimony on behalf of ASSIGNEE that lawfully may be required of ASSIGNOR in respect of the prosecution, maintenance and defense of any patent application or patent encompassed within the terms of this instrument. ASSIGNOR's obligations under this instrument shall extend to ASSIGNOR's heirs, executors, administrators and other legal representatives.

ALSO, ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue any and all Letters Patent referred to above to ASSIGNEE, as the ASSIGNEE of the entire right, title and interest in and to the same, for ASSIGNEE's sole use and behoof; and for the use and behoof of ASSIGNEE's legal representatives and successors, to the full end of the term for which such Letters Patent may be granted, as fully and entirely as the same would have been held by ASSIGNOR had this assignment and sale not been made.

ASSIGNOR authorizes any member of the firm of *Bacon & Thomas, PLLC* to insert or complete any information in this document needed to effect its recordal in the U.S. Patent and Trademark Office.

<i>Assignor Name</i> Hans STRAUVEN	<i>Address</i> Sparrenweg 21 B-3560 Lummen, Belgium
<i>Where Signed</i> X BRUSSELS	<i>Signature</i> X 
<i>Date</i> X 3 FEBRUARY 2011	<i>Witness (optional)</i>
<i>Witness (optional)</i>	<i>Witness (optional)</i>
<i>Print/Type Name</i>	<i>Print/Type Name</i>
<i>Signature</i>	<i>Signature</i>

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