	08-24-2000		WBAM Ref. No.:K0	G37904 <b>-</b> 00
FORM PTO-1595 RI		ET	U.S. DEPARTMENT OF CO	
(Rev. 6-93) PATENTS ONLY 1				
To the Honorable Commissioner c	101441154			
1. Name of conveying party(ies)  8.10	2. Name a	and address of rece	eiving party(ies)	
Rolf Gerhardt	1) Heraeus Quarz	zglas GmbH & Co	. KG	
Rainer Köppler	Quarzstrasse			
Werner Ponto Waltraud Werdecker	63450 Hanau Germany			
Walitada Werdeeker	Germany			
Additional name(s) of conveying party(ies) a _ Yes X No	attached? Additional name(s	s) & address(es) a	ttached? _ Yes X No	
Nature of conveyance:			ç	
X Assignment			Ď.	ī, <b>=</b>
Security Agreement				<b>4</b>
Merger			C.	
Change of Name Other			<b>5</b>	<b>20</b>
			7. 5	<b>6 ■</b>
Execution Dates: 8/7/00; 8/1/00;			J.C.6	
4. Application number(s) or patent number(s):	10/12/1/18			
If this document is being filed toge the application is: 8/7/00	09/636/48 ther with a new application, the execution	date of		
A. Patent Application No.(s)	B. Paten	t No.(s)		
A	Additional numbers attached? _ Yes _X	No		
Name and address of party to whom correspondence	e concerning 6. Total nu	umber of applicati	one and	
document should be mailed:		involved		
A 1 . I T' 1 60 F				
Name: Andrew L. Tiajoloff, Esq. Internal Address: Whitman Breed Abbott & Morgan LLP				
Street Address: 200 Park Avenue				
The state of the s	10144			
City: <u>New York</u> State: <u>NY</u> Zip:		CFR 3.41)		\$ 40.00
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8/2000 BBUTLER 00000070 09636148		account number:		
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9. Statement and signature.	Do not use this space			
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To the best of my knowledge and belief, the foregoi		attached copy is	a true copy of the original docu	ıment.
Andrew L. Tiajoloff	Mr. MIN	Au	gust 10, 2000	
Name of Person Signing	M 7. MIII		Date	
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gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office. Office of Information Systems, PK2-1000C, Washington, D.C. 20231, and to the Office of Management and Budget, Paperwork Reduction Project (0651-0011). Washington, D.C. 20503.

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PATENT **REEL: 011010 FRAME: 0746** 

## **ASSIGNMENT**

WHEREAS, I, as a below named inventor, am a sole inventor (if only one name is listed below) or a joint inventor (if plural names are listed below) of certain new and useful improvements in

## PROCESS FOR THE MANUFACTURE OF DENSE QUARTZ GLASS GRANULATE

for which I have contemporaneously executed a U.S. patent application;

AND WHEREAS, Heraeus Quarzglas GmbH & Co. KG, a German corporation with offices at Quarzstrasse, 63450 Hanau, Germany ("ASSIGNEE") is desirous of acquiring all interest in, to and under said invention, said application disclosing the invention and in, to and under any Letters Patent or similar legal protection which may be granted therefor in the United States and in any and all foreign countries;

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00), and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I, as a sole or joint inventor as indicated below, by these presents do hereby assign, sell and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the entire right, title and interest in the said invention, said application, including any divisions and continuations thereof, and in and to any and all Letters Patent of the United States, and countries foreign thereto, which may be granted for said invention, and in and to any and all priority rights and/or convention rights under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and to any other benefits accruing or to accrue to me with respect to the filing of applications for patents or securing of patents in the United States and countries foreign thereto, and I hereby authorize and request the Commissioner of Patents to issue the said United States Letters Patent to said ASSIGNEE, as the assignee of the whole right, title and interest thereto;

And I further agree to execute all necessary or desirable and lawful future documents, including assignments in favor of ASSIGNEE or its designee, as ASSIGNEE or its successors, assigns and legal representatives may from time-to-time present to me and without further remuneration, in order to perfect title in said invention, modifications, and improvements in said invention, applications and Letters Patent of the United States and countries foreign thereto;

And I further agree to properly execute and deliver and without further remuneration, such necessary or desirable and lawful papers for application for foreign patents, for filing subdivisions of said application for patent, and/or for obtaining any reissue or reissues of any Letters Patent which may be granted for my aforesaid invention, as the ASSIGNEE thereof shall hereafter require and prepare at its own expense;

And I further agree that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said application, said invention and said Letters Patent and legal equivalents in foreign countries as may be known and accessible to me and will testify as to the same in any interference or litigation related thereto;

And I hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment and sale.

467069-v1 0037904-0021

PATENT REEL: 011010 FRAME: 0747 This assignment executed on the date indicated below.

Date

Progrest / 2000 (Cicco Rainer Köppler

Date Werner Ponto

Werner Ponto

Werner Ponto

Waltraud Merdecker

Waltraud Werdecker

**RECORDED: 08/10/2000**