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HEET

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To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

11-21-06

**1. Name of conveying party(ies):**  
Satoru WAKAMATSU  
Junichirou NAKASHIMA  
Shigeki SUGIMURA

**2. Name and address of receiving party(ies)**  
Name: Tokuyama Corporation  
Internal Address: \_\_\_\_\_  
Street Address: 1-1, Mikage-cho, Shunan-shi,  
Yamaguchi

Additional name(s) of conveying party(ies) attached?  Yes  No

City: \_\_\_\_\_  
State: \_\_\_\_\_  
Country: JAPAN Zip: 7458648

**3. Nature of conveyance/Execution Date(s):**  
Execution Date(s) November 10, 2006  
 Assignment  Merger  
 Security Agreement  Change of Name  
 Joint Research Agreement  
 Government Interest Assignment  
 Executive Order 9424, Confirmatory License  
 Other \_\_\_\_\_

Additional name(s) & address(es) attached?  Yes  No

**4. Application or patent number(s):**  This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

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**5. Name and address to whom correspondence concerning document should be mailed:**  
Name: Kent E. Baldauf  
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436 Seventh Avenue  
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**6. Total number of applications and patents involved:** 1

**7. Total fee (37 CFR 1.21(h) & 3.41)** \$ 40.00  
 Authorized to be charged by credit card  
 Authorized to be charged to deposit account  
 Enclosed (w/ filing fee)  
 None required (government interest not affecting title)

**8. Payment Information**  
a. Credit Card Last 4 Numbers \_\_\_\_\_  
Expiration Date \_\_\_\_\_  
b. Deposit Account Number 23-0650  
Authorized User Name \_\_\_\_\_

**9. Signature:** Signature November 21, 2006 Date

Kent E. Baldauf, Jr. Reg. No. 36,082  
Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 3

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:  
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PATENT  
REEL: 018638 FRAME: 0679

ASSIGNMENT

WHEREAS, WE, 1) WAKAMATSU, Satoru, 2) NAKASHIMA, Junichirou , and 3 ) SUGIMURA, Shigeki residing in 1)2)and3) c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho, Shunan-shi, Yamaguchi 7458648 Japan respectively, have invented certain new and useful improvements in the invention entitled "MASS OF SILICON SOLIDIFIED FROM MOLTEN STATE AND PROCESS FOR PRODUCING THE SAME"

\_\_\_\_\_," for which we have this day executed an application for United States Letters Patent;

AND, WHEREAS, TOKUYAMA CORPORATION, a corporation of JAPAN, having a place of business at 1-1, Mikage-cho, Shunan-shi, Yamaguchi 7458648 Japan, hereinafter called the "assignees", are desirous of acquiring the entire right, title, and interest in and to said application and the inventions and improvements therein disclosed.

NOW, THEREFORE, for good and valuable consideration paid to us by said assignees, the receipt of which is hereby acknowledged, we do hereby assign, sell, transfer, and set over unto said assignees the entire right, title and interest in and to said application and the inventions and improvements therein disclosed for the United States and all foreign countries and any Letters Patent which may issue therefor in the United States and all foreign countries and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, said assignees to have and to hold the interests herein assigned to the full ends of the terms of said Letters Patent and any and all divisions, reissues, continuations, continuations-in-part, renewals, and/or extensions thereof, respectively, as fully and entirely as the same would have been held and enjoyed by us had this assignment not been made.

The Commissioner for Patents is requested to issue such Letters Patent in accordance herewith. We covenant that we are the lawful owners of the said application, inventions, and improvements, that the same are unencumbered, that no license has been granted to make, use, or vend the said inventions or improvements or any of them, and that we have the full right to make this assignment.

And for the consideration aforesaid, we agree jointly and individually that we will communicate to said assignees or their representatives thereof any facts known to us respecting said inventions and improvements, and will, upon request, but without expense to us, testify in any legal proceedings, sign all lawful papers, execute all divisional, reissue, continuation, continuation-in-part, renewal, and/or extension applications, make all rightful oaths, and generally do all other and further lawful acts, deemed necessary or expedient by said assignees or by counsel for said assignees, to assist or enable said assignees to obtain and enforce full benefits from the rights and interests herein assigned. This assignment shall be binding upon our

heirs, executors, administrators, and/or assigns, and shall inure to the benefit of the heirs, executors, administrators, successors, and/or assigns, as the case may be, of said assignees.

Dated November 10, 2006

Satoru Wakamatsu

(WAKAMATSU, Satoru)

Dated November 10, 2006

Jun Nakashima

(NAKASHIMA, Junichirou)

Dated November 10, 2006

Shigeki Sugimura

(SUGIMURA, Shigeki)