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To the Director of the U.S. Patent and Trademark Office: Please send to the following address or the new address(es) below.

1. Name of conveying party(ies):

Hiroki YOKOYAMA
Yasuko TAKEDA
Reo YAMAMOTO

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) November 4, 2005

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Government Interest Assignment
☐ Joint Research Agreement
☐ Executive Order 9424, Confirmatory License
☐ Other _____

2. Name and address of receiving party(ies)

Name: Tokuyama Corporation

Internal Address: _____

Street Address: _____

1-1, Mikage-cho, Shunan-shi, Yamaguchi

City: _____

State: _____

Country: Japan Zip: 7458648

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)

03/01/2006 GFREY1 00000086 10569358

04 FC:8021

40.00 DP

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Kent E. Baldauf

Internal Address: The Webb Law Firm

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436 Seventh Avenue

City: Pittsburgh

State: PA Zip: 15219-1845

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Email Address: webblaw@webblaw.com

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

February 24, 2006

Date

Kent E. Baldauf, Registration No. 25,826

Name of Person Signing

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

3

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{W0250953.1}

PATENT
REEL: 017686 FRAME: 0028

ASSIGNMENT

WHEREAS, WE, 1) Hiroki YOKOYAMA ; 2) Yasuko TAKEDA ;
and 3) Reo YAMAMOTO , residing in 1)~3) 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 "SUBSTRATE FOR
DEVICE BONDING, DEVICE BONDED SUBSTRATE, AND METHOD 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 4 November 2005 Hiroki Yokoyama
(First Inventor's Name)

Dated 4 November 2005 Yasuko Takeda
(Second Inventor's Name)

Dated 4 November 2005 Reo Yamamoto
(Third Inventor's Name)

Dated _____
(Fourth Inventor's Name)