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11/793572
APPLICATION FORM COVER SHEET
PATENTS ONLY

103421419

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

6.20.17

1. Name of conveying party(ies):
Teruhiko NAWATA
Ken YASUMURA
Hiroyuki YANAGI
Eiichi NISHIJIMA

2. Name and address of receiving party(ies)
Name: Tokuyama Corporation
Internal Address: _____

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

Street Address: 1-1, Mikage-cho, Shunan-shi,
Yamaguchi

3. Nature of conveyance/Execution Date(s):
Execution Date(s) May 18, 2007
 Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other _____

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) _____
B. Patent No.(s) 11/793572
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
Street Address: 700 Koppers Building
436 Seventh Avenue
City: Pittsburgh
State: PA Zip: 15219
Phone Number: 412-471-8815
Fax Number: 412-471-4094
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: Kent E. Baldauf June 20, 2007
Signature

Kent E. Baldauf, Reg. No. 25,826
Name of Person Signing

Date 06/25/2007 GREY1
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Total number of pages including cover sheet, attachments, and documents: 3

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Assignment of Application

INSERT NAMES
AND RESIDENCE
ADDRESS OF
THE INVENTORS:

WHEREAS, I (WE) 1) Teruhiko NAWATA , 2) Ken YASUMURA, 3) Hiroyuki YANAGI
and 4) Eiichi NISHIJIMA of c/o TOKUYAMA CORPORATION, 1-1, Mikage-cho,
Shunan-shi, Yamaguchi 7458648 Japan, respectively,

have invented certain new and useful improvements in:

"METAL FLUORIDE SINGLE CRYSTAL PULLING APPARATUS AND PROCESS FOR
PRODUCING METAL FLUORIDE SINGLE CRYSTAL WITH THE APPARATUS"

INSERT TITLE OF
INVENTION:

(Application No. _____ , filed _____), and

WHEREAS, TOKUYAMA CORPORATION

INSERT NAMES
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

(hereinafter referred to as "ASSIGNEE") having a place of business at : 1-1, Mikage-cho,
Shunan-shi, Yamaguchi 7458648 Japan is desirous of acquiring the entire right, title and
interest in and to said invention and in and to any Letters Patent that may be granted therefore in
the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is
hereby acknowledged, and for other good and valuable consideration, I(WE), by these presents do
sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in
the United States and its territorial possessions and in all foreign countries and the entire right,
title and interest in and to any and all Letters Patent which may be granted therefor in the United
States and its territorial possessions and in any and all foreign countries and in and to any and all
divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its
territorial possessions and any and all foreign countries to issue any and all of said Letters Patent,
when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and
to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the
full end of the term for which said Letters Patent may be granted, as fully and entirely as the same
would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of
THE WEBB LAW FIRM of 700 Koppers Building
436 Seventh Avenue
Pittsburgh PA 15219-1818

United States the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: May 18, 2007

Teruhiko Nawata
(Signature of Inventor) Teruhiko NAWATA

Date: May 18, 2007

Ken Yasumura
(Signature of Inventor) Ken YASUMURA

Date: May 18, 2007

Hiroyuki Yanagi
(Signature of Inventor) Hiroyuki YANAGI

Date: May 18, 2007

Eiichi Nishijima
(Signature of Inventor) Eiichi NISHIJIMA

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)

Date: _____

(Signature of Inventor)