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To the Director of the U.S. Patent

Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)Neville JORDISON
Niels A. ROZENDAAL
Dr. Peter HUANGAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ No**3. Nature of conveyance/Execution Date(s):**

Execution Date(s) August 28, 2006

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

2. Name and address of receiving party(ies)

Name: BULKFLOW TECHNOLOGIES INC.

Internal Address:

Street Address: 3122-114th Avenue S.E.

City: Calgary, Alberta

State:

Country: Canada Zip: T2Z 3V6

Additional name(s) & address(es) attached? ☐ Yes ☒ No**4. Application or patent number(s):**

A. Patent Application No. (s)

11/418,055

☐ This document is being filed together with a new application.

B. Patent No. (s)

Additional numbers attached? ☐ Yes ☒ No**5. Name and address to whom correspondence concerning document should be mailed:**

Name: RUSSELL REYNEKE LAW CORPORATION

Internal Address:

Street Address: Suite 700, Two Bentall Centre

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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
☐ None required (government interest not affecting fee)

8. Payment Informationa. Credit Card Last 4 Numbers
Expiration Date

b. Deposit Account Number 182354

Authorized User Name

9. Signature:

Signature

August 28, 2006

Date

Elbie R. de Kock, Russell Reyneke Law Corporation

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents: 4

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services, Director of the USPTO, P.O. Box 1450, Alexandria, V.A. 22313-1450

ASSIGNMENT

In consideration of the sum of one dollar (\$1.00) and other good and valuable consideration paid to the undersigned Neville JORDISON, Niels A. ROZENDAAL and Dr. Peter HUANG, the receipt of which is hereby acknowledged, the undersigned hereby sell, assign and transfer to BULKFLOW TECHNOLOGIES INC., a company incorporated under the laws of Canada, with an address of 3122-114th Avenue S.E., Calgary, Alberta T2Z 3V6, Canada (hereinafter designated as the Assignee), the entire right, title and interest in and to the invention known as INDIRECT-HEAT THERMAL PROCESSING OF PARTICULATE MATERIAL for patent in the United States of America has been filed on May 5, 2006 , 2006, under Application Serial No. 11/418,055 and in and to any and all improvements which are disclosed in the application, and all divisions, substitutes and continuations thereof, and all United States Letters Patents which may be issued thereon, and all foreign rights including all priority rights and benefits under all international conventions for the protection of industrial property, and all applications for patents including related rights such as utility model, inventor's certificates and the like heretofore or hereafter filed in the United States or any foreign country, and all patents including extensions, renewals and reissues thereof granted in the United States or any foreign country.

The undersigned agree to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

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The undersigned agree to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenant that they have full right to convey the entire interest herein assigned, and that they have not executed, and will not execute any agreement in conflict herewith.

The undersigned hereby grant Elbie R. de Kock, Registration No. 37,062, of the firm RUSSELL REYNERS LAW CORPORATION, who carry on business at Suite 700, Two Bentall Centre, 555 Burrard Street, Vancouver, British Columbia V7X 1M8, Canada, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent Office for recordation of this document.

Executed at Calgary, Alberta Canada
this 28th day of August

Witness:

2006
Assignor: Neville JORDISON

Executed at Zevenaar, The Netherlands

this 27 day of August

Witness:

2006
Assignor: Niels A. ROZENDAL

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Witness:

Assignor: Niels A. ROSENDAAL

Executed at Ontario, Canada

this 28th day of August, 2006.

Ashley Bynnes
Witness:

Peter Huang
Assignor: Dr. Peter Kingan HUANG