

09-05-2003

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

David James BEALE
Matthew James ASTILL

8.27.03

2. Name and address of receiving party(ies)

Name: OUTOKUMPU OYJ

Internal Address: _____

Street Address: Riihitontuntie 7

02200 ESPOO, Finland

City: _____ State: _____ Zip: _____

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: July 16, 2003

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

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: August 14, 2003

A. Patent Application No.(s)

10649164

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Kirk M. Miles

Internal Address: Webb Ziesenheim Logsdon

Orkin & Hanson, P.C.

Street Address: 700 Koppers Building

436 Seventh Avenue

City: Pittsburgh State: PA Zip: 15219

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41)..... \$ 40

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

23-0650

(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Kirk M. Miles, Reg. No. 37,891

Name of Person Signing

Signature

August 27, 2003

Date

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

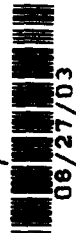
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PATENT

CANADA

ASSIGNMENT

WHEREAS WE, DAVID JAMES BEALE and MATTHEW JAMES ASTILL HOLMES, whose full post office addresses are 43 Hiawatha Dr., Port Sydney, Ontario, P0B 1L0, Canada and 8 Whitfield Crt., Dundas, Ontario, L9H 5R6, Canada, have invented certain new and useful improvements in an invention entitled **ALUMINIUM INGOT CASTING MACHINE** for which application number 2,427,894 for Letters Patent was executed by us herewith under the above title in Canada on May 5, 2003,

AND WHEREAS OUTOKUMPU OYJ, a corporation of Riihitontuntie 7, 02200 ESPOO, Finland, has acquired the whole right, title and interest for Canada and all other countries in and to the said invention and in and to any Letters Patent that may be obtained therefor, and in and to said applications,

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of all of which is hereby acknowledged, WE, DAVID JAMES BEALE and MATTHEW JAMES ASTILL HOLMES, by these presents confirm that we have sold, assigned and transferred and do hereby sell, assign and transfer unto the said OUTOKUMPU OYJ, the full and exclusive right to the said invention in the United States of America, Canada and all other countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor, and the entire right, title and interest in and to said applications, and in and to any divisions, continuations, continuations-in-part and extensions of said applications, together with the right to claim the benefit of the right of priority provided by the International Convention for the Protection of Industrial Property based on said application for Letters Patent.

We agree that we will without further consideration do all such things and execute all such documents as may be necessary or desirable to obtain and maintain patents for said invention and for additions and modifications thereto in any and all countries, and to vest title thereto in said assignee, its successors, assigns and legal representatives or nominees.

We hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said OUTOKUMPU OYJ, the assignee of the entire right, title and interest in and to the same, for its sole use and benefit, and for the use and benefit of its successors and assigns, to the full end of the term for which Letters Patent may be granted as fully and entirely as the same would have been held by us had this assignment and sale not been made.

We hereby appoint and authorize the firm of Piasetzki & Nenniger to act as our attorney with limited power to make whatever changes or corrections are necessary to this document in order for the same to be registrable in the Canadian, U.S. or other

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patent offices.

SIGNED at Burlington, Ontario, Canada, this 16th day of July, 2003.

McConnell
WITNESS

David James Beale
DAVID JAMES BEALE

SIGNED at Burlington, Ontario, Canada, this 16th day of July, 2003.

McConnell
WITNESS

Matthew James Astill Holmes
MATTHEW JAMES ASTILL HOLMES