

Form PTO-1595 (Rev. 07/05)  
OMB No. 0651-0027 (exp. 6/30/2008)

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## RECORDATION FORM COVER SHEET PATENTS ONLY

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

**1. Name of conveying party(ies)**

Noranda, Inc.

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

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

Execution Date(s) 7/26/2007

- ☒ 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: Cattron-Thermeg Canada Ltd.

Internal Address: Units 5-6

Street Address: 150 Armstrong Avenue

City: Georgetown

State: Ontario,

Country: Canada Zip: L7G 5G8

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)

08/750,278

B. Patent No.(s)

5,941,921

Additional numbers attached? ☐ Yes ☒ No

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

Name: Paul D. Bangor, Jr.

Internal Address: Thorp Reed & Armstrong, LLP

14th Floor

Street Address: 301 Grant Street

City: Pittsburgh

State: Pennsylvania Zip: 15219

Phone Number: 412 394 7767

Fax Number: 412 394 2555

Email Address: pbangor@thorpreed.com

**6. Total number of applications and patents involved: 1****7. Total fee (37 CFR 1.21(h) & 3.41) \$40**

- ☐ Authorized to be charged by credit card  
☒ Authorized to be charged to deposit account  
☐ Enclosed  
☐ None required (government interest not affecting title)

**8. Payment Information**

a. Credit Card Last 4 Numbers \_\_\_\_\_  
 Expiration Date \_\_\_\_\_

b. Deposit Account Number 20-0888

Authorized User Name Paul D. Bangor, Jr.

**9. Signature:**

Paul D. Bangor, Jr.

Signature

23 August 2007

Date

Paul D. Bangor, Jr.  
 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

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**ASSIGNMENT OF INVENTION****UNIVERSAL**

WHEREAS, **NORANDA INC.**, whose full address is **181 Bay Street, Suite 200, Toronto, Ontario, Canada M5J 2T3** (hereinafter referred to as the Assignor); is the owner of the entire right, title and interest in and to the invention entitled **TACTILE CONTROL FOR AUTOMATED BUCKET LOADING** described in **South African Patent No. 95/3844** issued on **March 27, 1996**, in **Australian Patent No. 680134** issued on **November 6, 1997**, in **Canadian Patent No. 2,125,375** issued on **April 20, 1999**, in **United States Patent No. 5,941,921** issued on **August 24, 1999** and in **Chilean Patent Application No. 803-95** filed on **June 6, 1995**.

and:

WHEREAS, **CATTRON-THEIMEG CANADA LTD.**, whose full post office address is **150 Armstrong Avenue, Units 5-6, Georgetown, Ontario, Canada L7G 5G8** (hereinafter referred to as the Assignee), is desirous of acquiring the entire right, title and interest in and to said invention or inventions and in and to any and all patents to be obtained therefor;

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other valuable consideration, the receipt of which is hereby acknowledged, said Assignor has and by these present does hereby sell, assign and transfer unto said Assignee, its successors and assigns, said Assignor's entire right, title and interest in and to said invention or inventions, as described in the aforesaid application, in any form or embodiment thereof, and in and to the aforesaid application; and in and to any applications based thereon filed in any foreign country, including the right to file said foreign applications under the provisions of the Patent Cooperation Treaty and under the Paris Convention; also the entire right, title and interest in and to any and all patents, reissues or extensions thereof to be obtained in this or any foreign country upon said invention or inventions, and any divisional, continuation, continuation-in-part, substitute application(s) or supplementary disclosure(s) which may be filed upon said invention or inventions, in any country; and said Assignor hereby authorizes

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and requests the issuing authority to issue any and all patents on said application or applications to said Assignee.

Said Assignor further agrees without any payment by said Assignee other than expenses incurred by the undersigned, to communicate to said Assignee, its representatives or agents, any facts useful as evidence for interference purposes or for other proceedings relating to intellectual property encompassing the invention, whenever requested; testify in any interference, litigation or other proceedings, whenever requested; and execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective, and likewise make these provisions binding upon its heirs, legal representatives, administrators and assigns.


Les soussignés désirent que la présente cession soit en anglais. The undersigned request that the present assignment be in English.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand(s) and seal.

WITNESS(ES)

DATE

ASSIGNOR(S)

  
Signature of Witness

July 25, 2007  
MM/DD/YYYY

  
Signature of authorized representative  
of **NORANDA INC.**

Luc ST-ARNAUD  
Name of Witness

JEAN DESROCHERS  
Name of authorized representative of  
**NORANDA INC.**

VICE PRESIDENT MINING OPERATIONS  
Title of authorized representative of  
**NORANDA INC.**

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WITNESS(ES)

DATE

ASSIGNEE(S)

Linda Greleski  
Signature of Witness

07/26/2007  
MM/DD/YYYY

Michael D. Pearson  
Signature of authorized representative  
of **CATTRON-THEIMEG CANADA  
LTD.**

LINDA GRELESKI  
Name of Witness

MICHAEL D. PEARSON  
Name of authorized representative of  
**CATTRON-THEIMEG CANADA LTD.**

CHIEF FINANCIAL OFFICER  
Title of authorized representative of  
**CATTRON-THEIMEG CANADA LTD.**

**THORP REED**  
  
**ARMSTRONG**

Facsimile

ATTORNEYS AT LAW SINCE 1895

**To:** Mail Stop Assignment Recordation Services **Fax Number:** 571 273 0140

**Company:** Director of the USPTO **Phone Number:**

**From:** Paul D. Bangor, Jr. **Pages:** 5

**Date:** August 23, 2007 **Client/Matter No.:** 018296-094854

**I.D. No.:** 1142

**Messages:**

**URGENT****IMMEDIATE CONFIRMATION KINDLY REQUESTED**

**Re:** Our Ref.: DB001237-000  
 Title: SENSOR FEEDBACK CONTROL FOR AUTOMATED  
 BUCKET LOADING  
 Country: UNITED STATES  
 Patent No.: 5,941,821

Enclosed for filing in connection with the above-identified patent is the following:

- Recordation Form Coversheet and executed Patent Assignment

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**PATENT**

Pittsburgh

Philadelphia

Princeton

Wheeling

Thorp Reed & Armstrong, LLP  
 One Oxford Centre  
 301 Grant Street, 14<sup>th</sup> Floor  
 Pittsburgh, Pennsylvania 15219-1425  
 412 394 7711  
 412 394 2555 Fax

RECORDED: 08/23/2007

REEL: 019744 FRAME: 0198