

REC PATENT



TO THE ASSISTANT COMMISSIONER OF PATENT AND TRADEMARKS: PLEASE RECORD THE ATTACHED ORIGINAL.

101461887

1. NAME OF CONVEYING PARTY(IES) (ASSIGNORS(S)):

- 1. James E. PHILLIPS
- 2. Len D. SPAULDING
- 3.
- 4.
- 5.
- 6.
- 7.
- 8.

ADDITIONAL NAME(S) OF CONVEYING PARTY(IES) ATTACHED? YES NO

1c490 U.S. PTO 09/655307 09/05/00

2. PARTY(IES) (ASSIGNEE(S)) RECEIVING INTEREST:

NAME: COLONIAL METALS, INC.

ADDRESS: P. O. Box 726, Triumph Industrial Park, Elkton, Maryland 21922

ADDITIONAL NAME(S) & ADDRESS(ES) ATTACHED? YES NO

09/655307

3. NATURE OF CONVEYANCE (DOCUMENT):

(Submit herewith only one document for recordation—multiple copies of same Assignment signed by different inventors is one document)

- ASSIGNMENT OF WHOLE PART INTEREST
- ORIGINAL FACSIMILE/PHOTOCOPY
- CHANGE OF NAME VERIFIED TRANSLATION
- SECURITY MERGER OTHER:

EXEC. DATE: September 1, 2000

EXECUTION DATE(S) ON THE DECLARATION IF FILED HEREWITH: (NOTE: IF DATES ON DECLARATION AND ASSIGNMENT DIFFER SEE ATTY!) September 1, 2000

4.5 APPL. NO.(S) OR PAT NO.(S). OTHERS ON ADDITIONAL SHEET(S) attached? YES NO

A. PAT. APP. NO.(S) series code/serial no.	M#	1. INVENTOR (if not in Item 1)	B. PATENT NO(S)	M#	2. INVENTOR (if not in Item 1)
New Application	273220				

5. Name & Address of Party to Whom Correspondence Concerning Document Should be Mailed:

Pillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

6. NUMBER INVOLVED:
APPLNS 1 + PATS 0 = TOTAL 1

7. AMOUNT OF FEE ENCLOSED: (Code 581)
ABOVE TOTAL x \$40 = \$40

5.5 ATTY DKT:

8. IF ABOVE FEE IS MISSING OR INADEQUATE CHARGE INSUFFICIENCY TO DEPOSIT ACCOUNT NUMBER: 03-3975
UNDER ORDER NO 81777 273220

09/15/2000	BMS 273220	49800036	09655307		
03 FC:544	MATTER NO.	10.00 DP	CLIENT REF.	dup. sheet not required	MATTER NO.

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.

Gregory P. Brummett
Signature

10. Total number of pages including this cover sheet, attachments and document (do not file dup. Cover sheet) 3

Attorney: Gregory P. Brummett Date: September 5, 2000
Reg. No. 41646 FAX: (202) 822-0944
Atty/Sec: GPB/sdm TEL: (202) 861-3683

FILE WITH PTO RETURN RECEIPT (PAT-103A)

Please return signed/recorded to:
Fillsbury Madison & Sutro LLP
Intellectual Property Group
1100 New York Avenue, NW
Ninth Floor
Washington, DC 20005-3918

Atty. Dkt. PMS 273220 |
M# | Client Ref.

ASSIGNMENT
of U.S. Origin Patent Application

WHEREAS, the undersigned, to wit:

- | | |
|-----------------------------|----------------------------|
| 1) <u>James E. PHILLIPS</u> | 2) <u>Len D. SPAULDING</u> |
| 3) _____ | 4) _____ |
| 5) _____ | 6) _____ |
| 7) _____ | 8) _____ |

(hereinafter collectively ASSIGNOR), has/have made an invention known as Dkt. 273220

and entitled: IMPROVED METHOD OF RUTHENIUM PURIFICATION AND RELATED PROCESSES

for which an application for Letters Patent of the United States

was executed even date herewith and is about to be filed in the United States Patent and Trademark Office;

was filed on _____, Appln. No. _____ / _____ ;

AND WHEREAS Colonial Metals, Inc.

(hereinafter ASSIGNEE), duly organized and existing under the laws of the State of Maryland

P.O. Box 726, Triumph Industrial Park, Elkton,

and having its principal office and place of business at Maryland 21922

desires to acquire an interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNOR, does hereby sell, assign and transfer unto ASSIGNEE, its successors, assigns and legal representatives, the full and exclusive right, title and interest to the said invention in the United States and all foreign countries, as described in the aforesaid application, and to the said application and to all continuations, divisions, reissues and substitutes of said application, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreements to which the United States of America adheres, and ASSIGNOR hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, its successors, assigns and legal representatives.

AND ASSIGNOR hereby agrees to execute any papers requested by ASSIGNEE, its successors, assigns and legal representatives, deemed essential to ASSIGNEE's full protection and title in and to the invention hereby transferred.

ASSIGNOR furthermore agrees upon request of said ASSIGNEE, and without further remuneration, to execute any and all papers desired by said ASSIGNEE for the filing and granting of foreign applications and the perfecting of title thereto in said ASSIGNEE.

NOTE: The undersigned hereby authorizes Pillsbury Madison & Sutro LLP of the above address to insert hereon any further identification necessary or desirable for recordation of this document.

Executed on the date(s) below indicated.

<u>Signature</u>	<u>Date Signed</u>	<u>Witness</u>
1) <u>James E. Phillips</u> Name: James E. PHILLIPS	<u>Sept 1, 2000</u>	<u>Marlene L. Bradley</u>
2) <u>Len D. Spaulding</u> Name: Len D. SPAULDING	<u>Sept 1, 00</u>	<u>Marlene L. Bradley</u>
3) _____ Name: _____	_____	_____
4) _____ Name: _____	_____	_____
5) _____ Name: _____	_____	_____
6) _____ Name: _____	_____	_____
7) _____ Name: _____	_____	_____
8) _____ Name: _____	_____	_____