

PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

CONVEYING PARTY DATA

| Name | Execution Date |
|---------------------|----------------|
| Anil K. Sachdev | 03/20/2007 |
| Benjamin L. Tiemens | 05/07/2007 |
| Gregory B. Olson | 05/07/2007 |

RECEIVING PARTY DATA

| | |
|-------------------|---------------------------------------|
| Name: | GM Global Technology Operations, Inc. |
| Street Address: | P.O. Box 300 |
| Internal Address: | M/C 482-C23-B21 |
| City: | Detroit |
| State/Country: | MICHIGAN |
| Postal Code: | 48265 |

| | |
|-----------------|-------------------------|
| Name: | Northwestern University |
| Street Address: | 633 Clark Street |
| City: | Evanston |
| State/Country: | ILLINOIS |
| Postal Code: | 60208 |

PROPERTY NUMBERS Total: 1

| Property Type | Number |
|---------------------|----------|
| Application Number: | 11678066 |

CORRESPONDENCE DATA

Fax Number: (248)267-4443

Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

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PATENT

500438120

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CH \$40.00 11678066

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|-----------------|-------------------------|
| Address Line 2: | M/C 482-C23-B21 |
| Address Line 4: | Detroit, MICHIGAN 48265 |

| | |
|-------------------------|------------------|
| ATTORNEY DOCKET NUMBER: | GP-308255-RD-KAM |
|-------------------------|------------------|

| | |
|--------------------|-----------------|
| NAME OF SUBMITTER: | Donna M. Franks |
|--------------------|-----------------|

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| Total Attachments: 4 source=Assignment GP-308255#page1.tif source=Assignment GP-308255#page2.tif source=Assignment GP-308255#page3.tif source=Assignment GP-308255#page4.tif |
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ASSIGNMENT

Pursuant to an agreement with my employer, I formally assign to GM GLOBAL TECHNOLOGY OPERATIONS, INC., the entire right, title and interest, in all countries and application types, in the improvements set forth in the United States patent application GP-308255-US-NP/R&D/KAM entitled

COPPER PRECIPITATE CARBURIZED STEELS AND RELATED METHOD

for which I executed a declaration dated as indicated below. If the patent application has been filed, I authorize attorney KATHRYN A. MARRA to insert the application number and filing date of said application here in parentheses (11678066 filed 23-FEB-2007) when known.

If the patent application has been filed provisionally, the application number and filing date of said provisional application(s) assigned herein are as follows:

| | |
|--------------------------|-------------|
| US Provisional Serial No | Filed |
| 60/776593 | 24-FEB-2006 |

| | | | |
|----------------------|---------------------------|---------------------|-----------------------|
| Inventor's signature | <u>Anil K Sachdev</u> | Date | <u>March 20, 2007</u> |
| Full name : | ANIL K. SACHDEV | Declaration dated : | |
| Residence : | ROCHESTER HILLS, MICHIGAN | | <u>March 20, 2007</u> |

PATENT
Attorney Docket No: GP-308255-US-
NP/R&D/KAM
For: ☒ U.S. and/or ☒ Foreign Rights
For: ☐ U.S. Application or ☐ U.S. Patent
By: ☐ Inventor(s) or ☐ Present Owner

ASSIGNMENT OF INVENTION

In consideration of the payment by ASSIGNEE to each ASSIGNOR identified below of the sum of One Dollar (\$1.00), the receipt of which is hereby acknowledged, and for other good and valuable consideration,

ASSIGNOR:

(inventor(s) or

Benjamin L. Tiemens

("ASSIGNOR")

person(s) or entity(ies)
who own the invention)

~~1221 W. Cornelia Ave., No 1~~

~~Chicago, Illinois 60657~~

(Address)

US

(Nationality)

822 1/2 Forest Ave. Apt. B3

Evanston, Illinois 60202

5707
(B.T.)
5707

(inventor(s) or

Gregory B. Olson

("ASSIGNOR")

person(s) or entity(ies)
who own the invention)

1363 Kenilwood Court

Riverwoods, Illinois 60015

(Address)

US

(Nationality)

*(If assignment is by person or entity to whom invention was previously assigned
and this was recorded in PTO add the following)*

Recorded on _____

Reel _____

Frame _____

hereby sells, assigns and transfers to

ASSIGNEE:

Northwestern University ("ASSIGNEE")
633 Clark Street
Evanston, IL 60208

(Address)

(An Illinois University)

and the successors, assigns and legal representatives of the ASSIGNEE
(complete one of the following)

- ☒ the entire right, title and interest
☐ an undivided _____ percent (_____%) interest
for the United States and its territorial possessions

(check the following box if foreign rights are also to be assigned)

☒ and in all foreign countries, including all rights to claim priority,
in and to any and all improvements which are disclosed in the invention entitled:

COPPER PRECIPITATE CARBURIZED STEELS AND RELATED METHOD

(check and complete (a), (b), (c) or (d))

and which is found in

- (a) ☐ U.S. patent application executed on even date herewith
(b) ☐ U.S. patent application executed on _____
☐ To comply with 37 CFR 3.21 for recordal of this assignment, I, an
ASSIGNOR signing below, hereby authorize and request my attorney, as
named in the Declaration and Power of Attorney I executed for this
invention on the execution date stated above, to insert below the
filing date and application number when it becomes known.
(c) ☒ U.S. application serial no. 11/678066 filed on February 23, 2007
(d) ☐ U.S. patent no. _____ issued _____
☐ A change of address to which correspondence is to be sent regarding patent
maintenance fees is being sent separately.

(also check (e) if foreign application(s) is also being assigned)

(e) ☒ and any legal equivalent thereof in a foreign country, including the right
to claim priority

and, in and to, all Letters Patent to be obtained for said invention by the above application or any continuation, division, renewal, or substitute thereof, and as to letters patent any reissue or re-examination thereof


ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment;

ASSIGNOR further covenants that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

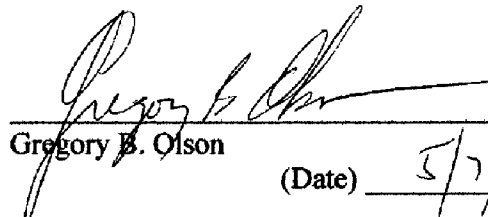
IN WITNESS WHEREOF, I/We have hereunto set hand the date indicated below.

WARNING: Date of signing must be the same as the date of execution of the application if item (a) was checked above.

Signature of ASSIGNOR(S)



Benjamin L. Tiemens
(Date) 5-7-07



Gregory B. Olson
(Date) 5/7/07