

PATENT ASSIGNMENT

Electronic Version v1.1
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SUBMISSION TYPE:	NEW ASSIGNMENT										
NATURE OF CONVEYANCE:	ASSIGNMENT										
CONVEYING PARTY DATA											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;">Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>Bala Durairajan</td> <td>07/06/2007</td> </tr> <tr> <td>Carl M. Hoffmaster</td> <td>07/06/2007</td> </tr> <tr> <td>Charles H.S. Douglas III</td> <td>07/06/2007</td> </tr> <tr> <td>Dennis Cisneros</td> <td>07/06/2007</td> </tr> </tbody> </table>		Name	Execution Date	Bala Durairajan	07/06/2007	Carl M. Hoffmaster	07/06/2007	Charles H.S. Douglas III	07/06/2007	Dennis Cisneros	07/06/2007
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Charles H.S. Douglas III	07/06/2007										
Dennis Cisneros	07/06/2007										
RECEIVING PARTY DATA											
Name:	Smith International, Inc.										
Street Address:	16740 Hardy Street										
City:	Houston										
State/Country:	TEXAS										
Postal Code:	77032										
PROPERTY NUMBERS Total: 1											
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>11760933</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	11760933						
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Application Number:	11760933										
CORRESPONDENCE DATA											
Fax Number:	(713)238-8008										
<i>Correspondence will be sent via US Mail when the fax attempt is unsuccessful.</i>											
Phone:	(713) 238-8000										
Email:	Tfaleski@conleyrose.com										
Correspondent Name:	Thaddeus J. Faleski										
Address Line 1:	P. O. Box 3267										
Address Line 4:	Houston, TEXAS 77253-3267										
ATTORNEY DOCKET NUMBER:	1030-38700 TJF										
NAME OF SUBMITTER:	Thaddeus J. Faleski										
<p>Total Attachments: 5 source=_Assignment_001#page1.tif</p>											

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ASSIGNMENT

IN CONSIDERATION OF TEN DOLLARS (\$10.00) cash in hand paid to us by **SMITH INTERNATIONAL, INC.**, and other valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we, **BALA DURAIRAJAN, CARL M. HOFFMASTER, CHARLES H. S. DOUGLAS III,** and **DENNIS CISNEROS** are joint inventors ("ASSIGNORS"), having made an invention in **FIXED CUTTER BIT WITH BACKUP CUTTER ELEMENTS ON PRIMARY BLADES**, while in the employ either as an employee or consultant of **SMITH INTERNATIONAL, INC.**, a corporation organized and existing under the laws of the State of State of Delaware, doing business at 16740 Hardy Street, Houston, Texas 77032 (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said **SMITH INTERNATIONAL, INC.** its successors and assigns, the entire right, title and interest throughout the world in and to:

1. Said invention in **FIXED CUTTER BIT WITH BACKUP CUTTER ELEMENTS ON PRIMARY BLADES**;
2. United States of America patent application on said invention, Application No. 11/760,933 filed June 11, 2007, Attorney's File No. 1030-38700; entitled **FIXED CUTTER BIT WITH BACKUP CUTTER ELEMENTS ON PRIMARY BLADES**;
3. All applications for patent or like protection on said invention that have now been or may in the future be made by us or our legal representatives, including any continuation, continuation-in-part and any other utility applications that may be based on this invention, whether in the United States of America or any other place anywhere in the world;
4. All patents and like protection that have now been or may in the future be granted on said invention to us or our legal representatives, whether in the United States of America or in any other country or place anywhere in the world;
5. All substitutions for and divisions, continuations, continuations-in-part, renewals, reissues, extensions, and the like of said applications and patents and like grants, including without limitation, those obtained or permissible under past, present and future laws and statutes;
6. All rights of action on account of past, present and future unauthorized use of said invention and for infringement of said patents and like protection;

- 7. The right in ASSIGNEE to file in its name applications for patents and like protection for said invention in any country or countries foreign to the United States; and
- 8. All international rights of priority associated with said invention, applications, patents and like protection;

and we covenant that we, and our heirs, legal representatives, assigns, administrators, and executors, will, at the expense of ASSIGNEE, its successors and assigns, execute all papers and perform such other acts as may be reasonably necessary to give ASSIGNEE, its successors and assigns, the full benefit of this Assignment.

EXECUTED in Houston, Texas on the date indicated below, opposite my signature.

ASSIGNORS

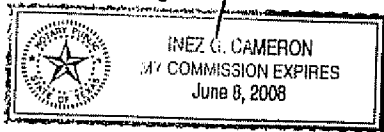
Date: 7-6- 2007 Bala Durairajan
Bala Durairajan

THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared BALA DURAIRAJAN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 6th day of July, 2007.

[S E A L]



Inez G. Cameron
Notary Public in and for
the State of TEXAS

My Commission Expires:
6-8-08

EXECUTED in Houston, Texas on the date indicated below, opposite my signature.

~~ASSIGNORS~~

Date: 9-6 2007

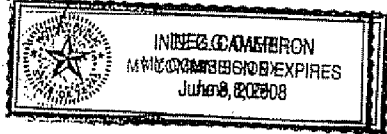

Carl M. Hoffmaster


THE STATE OF TEXAS §
 §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared CARL M. HOFFMASTER, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 6th day of July, 2007.

[SEAL]




Notary Public in and for
the State of TEXAS

My Commission Expires:

6-8-08

EXECUTED in Tyler, Texas on the date indicated below, opposite my signature

ASSIGNORS

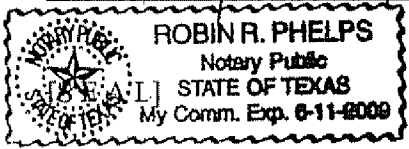
Date: July 6, 2007

Charles H. Douglas III
Charles H. S. Douglas III

THE STATE OF TEXAS §
 §
COUNTY OF Smith §

BEFORE ME, the undersigned authority, on this day personally appeared CHARLES H. S. DOUGLAS III, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 6th day of July, 2007.



My Commission Expires:
6-11-2009

Robin R Phelps
Notary Public in and for
the State of T E X A S

EXECUTED in Houston, Texas on the date indicated below, opposite my signature.

Date: 7-6 2007

ASSIGNORS

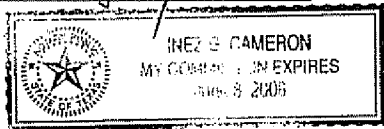
Dennis Cisneros
Dennis Cisneros

THE STATE OF TEXAS §
COUNTY OF HARRIS §

BEFORE ME, the undersigned authority, on this day personally appeared DENNIS CISNEROS, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE, this the 6th day of July, 2007.

[SEAL]



Inez S. Cameron
Notary Public in and for
the State of TEXAS

My Commission Expires:

6-8-08
