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OMB No. 0651-0011 (exp. 4/94) <b>PATEN</b>	TS ONLY
To the Honorable Commissioner of Patents and Trademarks: Please re	ecord the attached original documents or copy thereof.
1. Name of conveying parties(ies):	2. Name and address of receiving party(ies):
10 5 7	
James L. Larsen $\sqrt{2} - 5 - \sqrt{3}$	Smith International, Inc.
Dwayne P. Terracina	16740 Hardy Street $\infty$
Syed Hossain	Houston, Texas 77032
Additional name(s) of conveying party(ies):	<i>ii</i>
Attached?	Additional name(s) & address(es)
3. Nature of conveyance:	Attached?
Security Agreement Change of Name	
Other	
Execution Date: November 24, 2003 and December 1, 2003	
4. Application number(s) or patent number(s):	
( ) 1	19728650
If this document is being filed together with a new application,	
November 24, 2003 and December 1, 2003	••
A. Patent Application No.(s).	B. Patent No.(s).
Additional numbers	attached?  Yes No
5. Name and address of party to whom correspondence	
r y	te 6. Total number of application and patents involved: 1
concerning document should be mailed:	
ROBERT M. GRAY	
Conley, Rose & Tayon, P.C.	
P. O. Box 3267	
Houston, Texas 77253-3267	
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Robert M. Gray	December 5, 2003
	Signature Date
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**PATENT** 

**REEL: 014768 FRAME: 0201** 

## **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, JAMES L. LARSEN, DWAYNE P. TERRACINA, and SYED HOSSAIN ("ASSIGNORS"), having made an invention in DUAL PROPERTY **HYDRAULIC** CONFIGURATION, 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 Delaware, doing business at 16740 Hardy Street, Houston, Texas 77032 (sometimes hereinafter called "ASSIGNEE"), do hereby ASSIGN, SELL and CONVEY to said ASSIGNEE, its successors and assigns, the entire right, title and interest throughout the world in and to:

- 1. Said invention in DUAL PROPERTY HYDRAULIC CONFIGURATION;
- 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;

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- 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 our signatures.

	ASSIGNORS: \(\)
Date: 11 124/0 3	JAMES L. LARSEN
THE STATE OF TEXAS §	
THE STATE OF TEXAS \$  \$  COUNTY OF HARRIS \$	
BEFORE ME, the undersigned authority, LARSEN, known to me to be the person whose nar acknowledged to me that he executed the same for the GIVEN UNDER MY HAND AND SEAL November, 2003.	e purposes and consideration therein expressed.
INEZ G. SCHIFANI MY COMMISSION EXPIRES June 8, 2004	Notary Public in and for the State of TEXAS
My Commission Expires:	

\*\*\*\*\*\*\*

Date:	12/1/03		DWA	YNE P. TERRA	CINA	
THE STATE (	OF TEXAS	§				
COUNTY OF	HARRIS	§ § §				
TERRACINA	, known to m	undersigned authoring to be the person we that he executed the	hose name i	is subscribed to t	he foregoing ins	trument,
GIVE	N UNDER N Decem	MY HAND AND SE	EAL OF OF	FICE, this the	/5+	day of
[SEAL]		INEZ G. SCHIFANI MY COMMISSION EXPIRES June 8, 2004		y Public in and for		
My Commission	on Expires:				_	
6-	8-04					

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\*\*\*\*\*\*\*

Date: 4/2003 SYED HOSSAIN
THE STATE OF TEXAS §
COUNTY OF HARRIS §
BEFORE ME, the undersigned authority, on this day personally appeared SYED HOSSAIN, 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 24 day of
November, 2003.
[SEAL]  INEZ G. SCHIFANI MY COMMISSION EXPIRES June 8, 2004  Notary Public in and for the State of TEXAS
My Commission Expires:
6804

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114261.01/1030.23200

**RECORDED: 12/05/2003** 

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