

12-11-2000

cket No.: 66455/98

U.S. DEPARTMENT OF COMMERCE  
Patent and Trademark Office

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

MCGARIAN, Bruce

BARR, Lawrence R.

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

☒ Assignment

☐ Merger

☐ Security Agreement

☐ Change of Name

☐ Other

Execution Date: **3 NOVEMBER 2000**

2. Name and address of receiving party(ies):

Name: **SMITH INTERNATIONAL, INC.**

Internal Address:

Street Address: **16740 HARDY STREET**

City: **HOUSTON** State: **TX** ZIP: **77205**

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

**09/202,214**

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: **SANDRA S. SNAPP, REG. NO. 41,444**

Internal Address: **DYKEMA GOSSETT PLLC**

**THIRD FLOOR WEST**

Street Address: **1300 I STREET, N.W.**

City: **WASHINGTON** State: **DC** ZIP: **20005**

6. Total number of applications and patents involved:

**1**

7. Total fee (37 CFR 3.41):.....\$ **40.00**

☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account

☒ Authorized to be charged to deposit account

8. Deposit account number:

**04-2223**

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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.

**SANDRA S. SNAPP**

*Sandra S. Snapp*

**NOV. 9, 2000**

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents

**3**

REEL: 011309 FRAME: 0410

JOINT

Atty.Dkt. 66455/71517-5

**ASSIGNMENT OF PATENT APPLICATION**

WHEREAS We, Bruce McGARIAN and Lawrence Robert BARR of 23 East Glebe, Stonehaven, Aberdeen AB3 3HW, Great Britain and of Barclayhill, Steading East, Findon, Aberdeen AB12 4RL, Great Britain, respectively, have made a certain new and useful invention as set forth in an application for United States Letters Patent for an invention entitled **Multi-Cycle Circulating Sub**, and executed by us on 3 NOVEMBER, 1998 and 3 NOVEMBER, 1998, Serial No. 09/202,214, filed December 10, 1998:

AND WHEREAS, SMITH INTERNATIONAL, INC. of 16740 HARDY STREET, HOUSTON, TX 77205, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States which may be obtained therefor;

NOW, THEREFORE, for \$10.00 and other good and valuable consideration in hand, receipt of which is hereby acknowledged, we do hereby sell, assign, transfer and set over unto SMITH INTERNATIONAL, INC., its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-identified application, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

We request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said SMITH INTERNATIONAL, INC., its legal representatives, successors or assigns,

as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby;

We hereby covenant that I have full right to convey the entire interest herein assigned and have not executed, and will not execute, any agreement in conflict herewith, and we also agree to execute all papers in connection with the application and any continuing or divisional applications thereof and in connection with any interference which may be declared involving this application or any continuing or divisional application thereof;

AND we hereby grant the firm of DYKEMA GOSSETT PLLC the power to insert on this assignment any further identification which may be necessary or desirable to comply with the rules of the United States Patent and Trademark Office for recordation of this assignment.

3<sup>rd</sup> November 00  
Date:

Bruce McGarian  
Bruce McGARIAN

3.11.00  
Date:

Lawrence R. Barr  
Lawrence R. BARR

WITNESS:

(1) [Signature]  
3-Nov 2000  
Date:

(2) Kenneth Jeffrey  
3rd Nov 2000  
Date:

(3) \_\_\_\_\_  
Date:

(4) \_\_\_\_\_  
Date: