

FORM PTO-1619A  
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U.S. Department of Commerce  
Patent and Trademark Office  
**PATENT**

1046 U.S. PTO  
09/848646



05/03/01

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Name (line 1)      Dewey, Charles H.

Execution Date  
Month Day Year  
050201

Name (line 2)

**Second Party**

Execution Date  
Month Day Year

Name (line 1)

Name (line 2)

09/848646

**Receiving Party**

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Name (line 1)      Smith International, Inc.

Name (line 2)      a corporation of Delaware

Address (line 1)      16740 Hardy St

Address (line 2)

Address (line 3)      Houston                      Texas                      77032  
City                      State/Country                      Zip Code

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**PATENT**

**REEL: 011790 FRAME: 0888**

**Correspondence Name and Address**

Area Code and Telephone Number (713) 238-8000

Name David A. Rose

Address (line 1) CONLEY, ROSE &amp; TAYON, P. C.

Address (line 2) P. O. Box 3267

Address (line 3) Houston, Texas 77253-3267

Address (line 4)

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# 4

**Application Number(s) or Patent Number(s)**

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Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.Month Day Year  
050201**Patent Cooperation Treaty (PCT)**Enter PCT Application number  
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**Number of Properties**

Enter the total number of properties involved. # 1

**Fee Amount**

Fee Amount for Properties Listed (37 CFR 3.41): \$ 40.00

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Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # 03-2769

Authorization to charge additional fees: Yes ☒ No ☐**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. Charges to deposit account are authorized, as indicated herein.

David A. Rose

Name of Person Signing



Signature

May 3 2001

Date

## ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

**SMITH INTERNATIONAL, INC.**

having the following address:

**16740 Hardy Street  
Houston, TX 77032**

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest for the United States of America (including without limitation its territories and possessions) in and to the invention known by the following title:

### **ORIENTATION AND LOCATOR SYSTEM**

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all United States Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY;

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of ROSENTHAL & OSHA L.L.P. the power to insert on this Assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for the recordation of this document.

U.S. PATENT OFFICE

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**PATENT  
REEL: 011790 FRAME: 0890**

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

5/2/01  
Date

1<sup>st</sup> Inventor Signature: [Signature]  
Print or Type Name: Charles H. Dewey

\_\_\_\_\_  
Date

2<sup>nd</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

3<sup>rd</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

\_\_\_\_\_  
Date

4<sup>th</sup> Inventor Signature: \_\_\_\_\_  
Print or Type Name: \_\_\_\_\_

This Assignment must be signed before a Notary Public for one of the States of the United States.

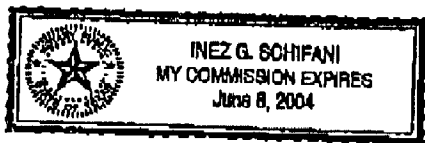
Notary Public

State of: Texas  
County of: Harris

Before me personally appeared: Charles H. Dewey \_\_\_\_\_  
1<sup>st</sup> Inventor 2<sup>nd</sup> Inventor  
\_\_\_\_\_  
3<sup>rd</sup> Inventor 4<sup>th</sup> Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: 5/2/01 \_\_\_\_\_  
Notary Public [Signature] My Commission expires: 6-8-04



When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: \_\_\_\_\_  
Filing Date: \_\_\_\_\_

ASSIGNMENT-WORLDWIDE

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P.S.P.

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