

FORM PTO-1595 (modified)

07-13-2004

U.S. DEPARTMENT OF COMMERCE

(Rev 6-93)

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Patent and Trademark Office

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To the Director of the United States Patent and Trademark Office attached original documents or copies thereof.

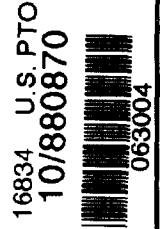
1. Name of conveying party(ies):

Ian J. Bull

6-30-04

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

Rockwell Collins, Inc.
400 Collins Road NE
M/S 124-323
Cedar Rapids, IA 52498



Additional conveying party(ies) NO

3. Nature of conveyance:

ASSIGNMENT

Execution Date:

6/29/04

Additional name(s) & address(es) attached? NO

4. Application number(s) or patent number(s):

If this is being filed together with a new application, the execution date of the application is: 6/29/04

A. Patent Application Number(s):

B. Patent Number(s):

Additional numbers attached? NO

10880870

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

Alistair K. Chan
FOLEY & LARDNER LLP
777 East Wisconsin Avenue
Milwaukee, Wisconsin 53202-5306

6. Total number of applications/patents involved: 1

7. Total fee (37 C.F.R. § 3.41): \$40.00

Check Enclosed

Charge to deposit account

8. Deposit account number: 06-1447

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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. The Commissioner is hereby authorized to charge any additional recordation fees which may be required in this matter to the above-identified deposit account.

Alistair K. Chan

6/30/2004

Name of person signing

Signature

Date

Total number of pages including cover sheet, attachments, and document: 4

07/12/2004 DBYRNE 00000167 10880870

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001.1658574.1

ASSIGNMENT - WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, each undersigned inventor (hereinafter referred to singly and collectively as "ASSIGNOR") has sold, assigned, and transferred, and by these presents hereby sells, assigns, and transfers, unto

Rockwell Collins, Inc.
400 Collins Road NE
M/S 124-323
Cedar Rapids, IA 52498

(hereinafter referred to as "ASSIGNEE") its successors and assigns, the full and exclusive right, title and interest for the United States, its territories and possessions, and all foreign countries in and to this invention relating to

TERRAIN MANEUVER ADVISORY ENVELOPE SYSTEM AND METHOD

as set forth in this United States Patent Application

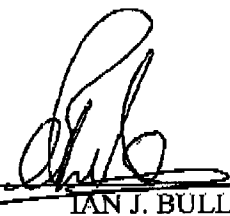
check one executed concurrently herewith,
 executed on _____,
 Serial No. _____ Filed _____

as well as in and to (a) all improvements and modifications of the above-identified invention or inventions, (b) the above-identified application and all other applications for Letters Patent of the United States and countries foreign thereto for above-identified invention or inventions and all improvements and modifications thereof, (c) all Letters Patent which may issue from said applications in the United States and countries foreign thereto, (d) all divisions, continuations, reissues, and extensions of said applications and Letters Patent, and (e) the right to claim for any of said applications the full benefits and priority rights under the International Convention and any other international agreement to which the United States adheres; such right, title, and interest to be held and enjoyed by ASSIGNEE, its successors and assigns, to the full end of the term or terms for which any and all such Letters Patent may be granted as fully and entirely as would have been held and enjoyed by ASSIGNOR had this Assignment not been made.

ASSIGNOR HEREBY AUTHORIZES ASSIGNEE to file patent applications in any or all countries on the above-identified invention or inventions in the name of the undersigned or in the name of ASSIGNEE or otherwise as ASSIGNEE may deem advisable under the International Convention or otherwise.

Atty. Dkt. No. 047141-0366 (03CR388/KE)

Executed this 29 day of June, 2004.



IAN J. BULL

State of _____)
County of _____) ss.

On this _____ day of _____, 20____, before me, a notary public in and for said county, appeared IAN J. BULL, who is personally known to me to be the same person whose name is subscribed to the foregoing instrument, and he/she acknowledged that he/she signed, sealed, and delivered the said instrument as his/her free and voluntary act for the uses and purposes therein set forth.

Notary Public

My Commission Expires: _____

(Seal)

Executed this _____ day of _____, 20____.