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9/44 Our Ref.: 124-745

Box Assignment, Washington, D.C. 20231 101372348 To the Honorable Commissioner of Patents a original documents or copy thereof. 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Roy McBRIDE Philip St. John RUSSELL The Secretary of State for Defence 4-21-00 Internal Address: Street Address: Defence Evaluation and Research Agency. Ively Road, Farnborough Additional name/s of conveying party/ies attached? 3. Nature of conveyance: City: Hampshire Assignment State/Country: Great Britain Merger Security Assignment Change of Name Zip: GU14 0LX Execution Date: April 19, 200 & April 14, 2000 Additional name/s & address/es attached? Yes No 4. Application number(s) or patent number(s) If this document is being filed together with a new application, the execution date of the application is: A. Patent Application No(s). B. Patent No(s). (1) 09/446,325 (1) (2) (2)(3) (3)Additional numbers attached Yes No 6. Total number of applications & patents involved: 5. Name and address of party to whom correspondence concerning document should be mailed: 7. Total fee (37 CFR 3.41) 40.00 Stanley C. Spooner ⊠ Enclosed Authorized to be charged to deposit account #14-1140 Internal Address: 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road should have been filed herewith (or with any paper thereafter 8th Floor filed in this application by this firm) to our Account No. 22201 City: Arlington State: VA 14-1140. DO NOT USE THIS SPACE 9. Statements 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. Stanley C. Spooner April 21, 2000 Name of Person Signing Reg. No. 27,393 Total number of pages including **original** cover sheet, attachments, and document: [5]

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PATENT 421189
REEL: 010815 FRAME: 0051

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

(Title)

Roy McBRIDE

Philip St. John RUSSELL

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (The Secretary of State for Defence

(Address) (of Defence Evaluation and Research Agency, Ively Road, Farnborough,

Hampshire, Great Britain GU14 0LX

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other in the invention, and all application for patent and any Letters Patent which Countries) may be granted therefore, known as

OPTICAL FIBRE BEND SENSOR (Case No. 124-745) for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

(on or has already filed in

(U.S. appin. Serial No. 09/446,325, filed on December 20, 1999

(The undersigned acknowledges an obligation of assignment of this invention to said assignee at the time the invention was made.

The undersigned agree(s) to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

410547

PATENT REEL: 010815 FRAME: 0052 The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned

signature(s).		A0
Date 19 4 PRIL 2000	Signature of inventor (ROY-MEBRIDE
Date	Signature of inventor (Philip St. John RUSSELL
Witnessed by:	(ANTHONY WINTER)	Date 19 April 2000
Witnessed by:		Date
Witnessed by:		Date

- 2 -

ASSIGNMENT OF PATENT APPLICATION

(Inventors)

Roy McBRIDE Philip St.John RUSSELL

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(Assignee) (Address) (The Secretary fo State for Defence

(of Defence Evaluation and Research Agency, Ively Road, Farnborough, Hampshire,

Great Britain GU14 0LX

(hereinafter designated as the Assignee) the undersigned's entire right, title and interest for the United States, its territories, dependencies and possessions, and for the country of

(Other Countries) (Title)

in the invention, and all application for patent and any Letters Patent which may be granted therefore, known as

OPTICAL FIBER BEND SENSOR (Case No. 124-745)

for which the undersigned has (have) executed on even date herewith an application for patent in the United States of America or, if not on even date, then has executed

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PATENT 410547 REEL: 010815 FRAME: 0054 The undersigned hereby grant(s) the firm of NIXON & VANDERHYE P.C. 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 Office for recordation of this document. It is understood and agreed that ASSIGNEE'S attorneys Nixon & Vanderhye P.C. have represented only ASSIGNEE and will continue to represent only ASSIGNEE with respect to this invention.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned signature(s).

Date H	Signature of inventor	(
Date APRIL 14, 2000	Signature of Inventor	Roy McBRIDE MMussly
,		Philip St.John RUSSELL
Witnessed by:	(T.A. BIRKS)	Date 14/4/00
Witnessed by		Date
Witnessed by:		Date

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