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To the Honorable Commissioner of Patents an



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1. Name of conveying party(ies): Stuart John Russell and Andrew Biggerstaff 2. Name and address of receiving party(ies): Stuart John Russell and Andrew Biggerstaff 3. Nature of conveyance: X. Assignment	To the Honorable Commissioner of Patents and Trademark	s: Please record the attached original documents or copy thereto:
3. Nature of conveyance: X Assignment	Stuart John Russell and Andrew Biggerstaff	Name and address of receiving party(ies): Name: Radiodetection Limited
Security Agreement Change of Name Other City: Bristol State/Country: England ZIP: BS14 OAZ Additional name(s) & address(es) attached? Yes X No No Additional name(s) & address(es) attached? Yes X No X No Additional name(s) & address(es) attached? Yes X No X		1002
City: Bristol State/Country: England ZIP: BS14 0AZ Execution Date: May 5 and May 12, 2000 Additional name(s) & address(es) attached? Yes X No 4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: January 14 and February 7, 2000 A. Patent Application No(s). Additional numbers attached? Yes X No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BAKER & HOSTETLER ILLP Internal Address: Land Land Address: Land Land Address: Land Land Address: Land Land Land Land Land Land Land Land		Street Address: Western Drive
4. Application number(s) or patent number(s): If the document is being filed together with a new application, the execution date of the application is: January 14 and February 7, 2000 A. Patent Application No(s). Additional numbers attached?YesX_No 5. Name and address of party to whom correspondence concerning document should be mailed: Name: BAKER & HOSTETLER ILP		City: Bristol State/Country: England ZIP: BS14 0AZ
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5. Name and address of party to whom correspondence concerning document should be mailed: Name: BAKER & HOSTETLER LLP Internal Address: Internal Address: Street Address: Street Address: Street Address: Washington Square. Suite 1100. Internal Address: DO NOT USE THIS SPACE 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. Dennis P. Cawley, Registration No. 44,598 Name and Registration No. of Person Signing 6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) S 40.00 Authorized to be charged to deposit account 8. Deposit account number: 50-2036 DO NOT USE THIS SPACE	If the document is being filed together with a new application, the executibn date of the application is: January 14 and February 7, 2000 A. Patent Application No(s). B. Patent No(s).	
concerning document should be mailed: Name: BAKER & HOSTETLER LLP Internal Address: Lenclosed Authorized to be charged to deposit account Street Address: Washington Square, Suite 1100. Street Address: Washington Square, Suite 1100. City: Washington State: DC ZIP: 20036 DO NOT USE THIS SPACE 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. Dennis P. Cawley, Registration No. 44,598 Name and Registration No. of Person Signing Signature 7. Total fee (37 CFR 3.41) Lenclosed Authorized to be charged to deposit account 8. Deposit account number: 50-2036 DO NOT USE THIS SPACE	Traditional relations of	103 <u>A</u> 110
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PATENT REEL: 013473 FRAME: 0121

ASSIGNMENT

WHEREAS, STUART JOHN RUSSELL and ANDREW BIGGERSTAFF LEWIS, as assignors, have invented certain improvements in IDENTIFICATION AND LOCATION OF FIBER OPTIC CABLES for which an application for United States Letters Patent has been executed by assignor on 14 January 2000 and whereas RADIODETECTION LIMITED, having a corporate business address at Western Drive, Bristol BS14 0AZ, England, as assignee, is desirous of acquiring all right, title and interest in and to said invention and any Letters Patent that may be granted therefor.

NOW THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, the assignors hereby sell, assign and set over to said assignee the entire right, title and interest for the United States and all other countries in and to said invention and the aforesaid application for Letters Patent, all original, divisional, continuation, substitute or reissue applications and patents applied for or granted therefor in the United States and all countries foreign, and the Commissioner of Patents is hereby authorized and requested to issue all patents on said improvements or resulting therefrom to said assignee herein, as assignee of the entire interest therein; and the undersigned for themselves and their legal representatives, heirs and assigns do hereby agree and covenant without further remuneration, to execute and deliver all divisional, continuation, reissue and other applications for Letters Patent on said improvements and all assignments thereof to said assignee or its assigns, to communicate to said assignee or its representative all facts known to the undersigned respecting said improvements, whenever requested, to testify in any interferences or other legal proceedings in which any of said applications or patents may become involved, to sign all lawful papers, make all rightful oaths, and to do generally everything necessary to aid assignee, its successors, assigns and nominees to obtain patent protection for said improvements in all countries, the expenses incident to said applications to be borne and paid by said assignee.

Dated 5 MAY 2000	M
	ANDREW BIGGERSTAFF LEWIS
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Dated 12 MAY 2000	STUART JOHN RUSSELL

PATENT RECORDED: 11/06/2002 REEL: 013473 FRAME: 0122