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Alexandria, VA 22313-1450				
To the Honorable Commissioner of Patents and Trademarks: Plea	se record the attached original documents or copy thereof.			
1. Name of conveying party(ies):	2. Name and address of receiving party(ies):			
Richard George HUMPHREYS				
Julian Simon SATCHELL	Name: QINETIQ LIMITED			
	Internal Address:			
Huw David REES				
	Street Address: Cody Technology Park, Ively Road			
Additional name/s of conveying party/ies attached?				
Partyries attached.				
	C' F 1 1 T			
3. Nature of conveyance:	City: Farnborough, Hants			
Assignment Merger	State/Country: United Kingdom			
☐ Security Assignment ☐ Change of Name	Zip: GU14 0LX			
Other Corrective Assignment to correct the				
Assignee's name previously recorded				
on 12/24/03 at Reel 015128/Frame 0710				
Execution Date: June 23, 2003	Additional name/s & address/es attached? Yes No			
Execution Date. Julie 23, 2003	Additional name/s & address/es attached: 1 i es 1 NO			
	<u> </u>			
4. Application number(s) or patent number(s):				
If this document is being filed together with a new application, the execution	n date of the application is:			
A. Patent Application No(s).	B. Patent No(s).			
(1) 10/475,743	(1)			
(2)	(2)			
(3)	(3)			
Additional numbers at				
	6. Total number of applications & patents involved:			
5. Name and address of party to whom correspondence	o. Total number of applications & patents involved:			
concerning document should be mailed:	10.00			
	7. Total fee (37 CFR 3.41) \$ 40.00			
Name: Stanley C. Spooner	□ Enclosed			
	Authorized to be charged to deposit account #14-1140			
Internal Address:				
4	8. The Commissioner is hereby authorized to charge any			
Street Address Niver & Vandarhya D.C.	deficiency in the fee(s) filed, or asserted to be filed, or which			
Street Address: Nixon & Vanderhye P.C.	should have been filed herewith (or with any paper thereafter			
1100 North Glebe Road				
8 th Floor	filed in this application by this firm) to our Account No.			
City: Arlington State: VA Zip: 22201	14-1140.			
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231,01 33.				
O. Statements and signature				
9. Statements and signature.	tion is true and correct and any attached conv is a true conv			
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.				
7/1 // 12				
Stanley C. Spooner Marty	December 2, 2004			
Name of Person Signing Signa	Date Date			
Reg. No. 27.393				
Total number of pages including original cover sheet, attachments, and document: [7]				
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PATENT

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REEL: 016035 FRAME: 0970

10/47574 581-40 U.S. Department of Commerce Form PTO-1595 DT15 Rec'd PCT/PTO 2 4 OCT 2003 1-31-92 Patent and Trademark Office RDATION FORM COVER SHEET DEC 0 2 2004 Our Ref.: 124-1056 03-29-2004 Mail Stop Assignment Recording Services Commissioner of Patents P.O. Box 1450 102706366 Alexandria, VA 22313-1450 To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof. Name and address of receiving party(ies): 1. Name of conveying party(ies): Richard George HUMPHREYS QINETIC LIMITED Name: 10-24-07 Julian Simon SATCHELL Internal Address: Huw David REES QINETIC LIMITED, Cody Technology Street Address: Park, Ively Road Additional name/s of conveying party/ies attached? City: Farnborough, Hants 3. Nature of conveyance: State/Country: United Kingdom Merger Zip: GU14 0LX Security Assignment Change of Name Other Additional name/s & address/es attached? Yes No June 23, 2003, June 23, 2003 and June **Execution Date:** 23, 2003 4. Application number(s) or patent number(s): June 23, 2003, June 23, 2003 And If this document is being filed together with a new application, the execution date of the application is: June 23, 2003 10/475743 A. Patent Application No(s). (1) Unknown (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: 40.00 7. Total fee (37 CFR 3.41) Stanley C. Spooner Name: 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. should have been filed herewith (or with any paper thereafter 1100 North Glebe Road filed in this application by this firm) to our Account No. 8th Floor 14-1140. 22201 VA City: Arlington State:

10/31/2003 LLANDGRA 00000007 10475743

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9. Statements and signature. and correct and any attached copy is a true copy To the best of my knowledge and belief, the foregoing information of the original document.

Stanley C. Spooner Name of Person Signing

Reg. No. 27,393

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

[5]

October 24, 2003

Date

PATENT REEL: 016035 FRAME: 0971

IP/P3157/USW

ASSIGNMENT OF PATENT APPLICATION

(HUMPHREYS Richard George

	(SATCHELL Julian Simon (REES Huw David			
(Inventors)				
(Assignee)	In consideration of past and future employment, and my (our) obligation to assign intellectual property generated as result of my (our) employment, the receipt and sufficiency of which consideration is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to (QINETIQ LIMITED			
(Address)	(of QINETIQ LIMITED, Cody Technology Park, Ively Road, Farnborough, Hants GU14 0LX United Kingdom (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			
Countries)	Patent which may be granted therefore, known as			
(Title)	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. appln. Serial No, filed on (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.

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.

258050

Signature of Inventor	HUMPHREYS Richard George	Date	23 d'une 2003
Witnessed by	P.J. HIRST	Date	23 June 2003.
Signature of Inventor	SATCHELL Julian Simon	Date	
Witnessed by	· · · · · · · · · · · · · · · · · · ·	Date	
Signature of Inventor	REES Huw David	Date	
Witnessed by		Date	
Signature of Inventor		Date	
Witnessed by		Date	
Signature of Inventor		Date	
Witnessed by		Date	
Signature of Inventor		Date	
Witnessed by		Date	

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

IP/P3157/USW

ASSIGNMENT OF PATENT APPLICATION

/ HUMPHREYS Richard George

	(SATCHELL Julian Simon (REES Huw David			
Inventors)				
	In consideration of past and future employment, and my (our) obligation to assign intellectual property generated as result of my (our) employment, the receipt and sufficiency of which consideration is hereby acknowledged, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to			
(Assignee)	(QINETIQ LIMITED			
(Address)	(of QINETIQ LIMITED, Cody Technology Park, Ively Road, Farnborough, Hants GU 0LX United Kingdom			
	(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			
Countries)	Patent which may be granted therefore, known as			
(Title)	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. appln. Serial No , filed on (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.

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258050

Signature of Inventor		Date	
	HUMPHREYS Richard George	•	
Witnessed by		Date	
Signature of Inventor	Julian Simon	Date	23 June 2003
Witnessed by	J william	Date	23 June 200?
Signature of Inventor	D Rees REES Huw David	Date	23 June 2003
Witnessed by	J Willow	Date	2005 ancl 85
Signature of Inventor		Date	
Witnessed by		Date	
Signature of Inventor		Date	
Witnessed by		Date	-
Signature of Inventor		Date	
Witnessed by		Date	

RECORDED: 12/02/2004