Form PTO-1595 1-31-92

A/9 581-40

U.S. Department of Commerce

RE

08-12-2002 Cour Ref.: 124-945

Commissioner of Patents and Trademarks Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Plea	To the Honorable Commissioner of Patents and Trademarks: Please record under original documents or copy thereof.				
Name of conveying party(ies): John Clifford JONES	2. Name and address of receiving party(ies):				
. 10 ()	Name: QINETIQ LIMITED				
5.29102	Internal Address:				
	Street Address: Cody Technology Park, Ively Road				
Additional name/s of conveying party/ies attached?					
3. Nature of conveyance:	City: Farnborough, Hants				
Assignment	State/Country: United Kingdom Zip: GU14 0LX				
Other	Zip: GO14 OLX				
Execution Date: September 2, 2001	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	on date of the application is: September 2, 2001				
A Potent Application No(s)	B. Patent No(s).				
A. Patent Application No(s). (1) To be assigned	(1)				
(1) To be assigned (2) (3)	(2)				
(3)	(3)				
Additional numbers at	tached Yes No				
5. Name and address of party to whom correspondence	6. Total number of applications & patents involved: 1				
concerning document should be mailed:	7. Total fee (37 CFR 3.41) \$ 40.00				
Names Stanlay C. Spoorer	7. Total fee (37 CFR 3.41) \$ 40.00 Enclosed				
Name: Stanley C. Spooner	Authorized to be charged to deposit account #14-1140				
Internal Address:	Truthorized to be charged to deposit account with 11 to				
	8. The Commissioner is hereby authorized to charge any				
Street Address: Nixon & Vanderhye P.C.	deficiency, or credit any overpayment, in the fee(s) filed, or				
1100 North Glebe Road	asserted to be filed, or which should have been filed herewith				
8 th Floor	(or with any paper thereafter filed in this application by this				
City: Arlington State: VA Zip: 22201	firm) to our Account No. 14-1140.				
DO NOT USE THIS SPACE					
DO NOT US	L HID DIACE				
9. Statements and signature.	/1				
To the best of my knowledge and belief, the foregoing information	ation is true and correct and any attached copy is a true copy				
of the original document.					
A 1 0 0	M 20, 2002				
Stanley C. Spooner Name of Person Signing Sig	may 29, 2002 gnature Date				
Reg. No. 27,393	gnature				
	inal cover sheet, attachments, and document: [3]				
SCS:ecb					
04/2602 SFREY1 00000153 10148273					
LA AA BA					
FC:581					
1					

632102 **PATENT**

REEL: 013167 FRAME: 0689

IPD/P2969/USW

ASSIGNMENT OF PATENT APPLICATION

(JONES John Clifford (
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
(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
(in the invention, and all application for patent and any Letters
Patent which may be granted therefore, known as
Bistable Nematic Liquid Crystal Device (Case No. P2969/USW) 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

PATENT REEL: 013167 FRAME: 0690

Signature of Inventor	John Clifford JONES	Date _	2nd September 2001 2nd Sydender 200
Witnessed by	Malo.	Date –	2nd Systender 200
Signature of Inventor		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 -	
Signature of Inventor		Date -	
Witnessed by		Date -	

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

RECORDED: 05/29/2002