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ER SHEET

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Our Ref.: 124-639

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

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies): Alan W. HALL Michelle JONES David LACEY Ian C. SAGE Keith M. BLACKWOOD		2. Name and address of receiving party(ies): Name: The Secretary of State For Defence Internal Address: Street Address: Defence Evaluation & Research Agency Ively Road City: Farnborough, Hampshire State/Country: England Zip: GU14 0LX
Additional name/s of conveying party/ies attached? <input type="checkbox"/>		Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other		
Execution Date: 28 July, 8 & 9 September, 1997		

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: 18 August, 8&9 September 1997	
A. Patent Application No(s). (1) (To Be Assigned) (2) (3)	B. (1) (2) (3)
Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Name and address of party to whom correspondence concerning document should be mailed: Name: Arthur R. Crawford Internal Address: Street Address: Nixon & Vanderhye P.C. 1100 North Glebe Road 8 <sup>th</sup> Floor City: Arlington State: VA Zip: 22201	6. Total number of applications & patents involved: 1 7. Total fee (37 CFR 3.41) \$ 40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140 8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our Account No. 14-1140.
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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.		
Arthur R. Crawford Name of Person Signing Reg. No. 25,327	 Signature	April 29, 1998 Date
Total number of pages including original cover sheet, attachments, and document: [4]		

**ASSIGNMENT OF PATENT APPLICATION** (US NATIONAL PHASE OF PCT)

(1) Alan William HALL

(2) David LACEY

**(Inventors)** (3) Ian Charles SAGE

(4) Keith Moray BLACKWOOD

(5) Michelle JONES

In consideration of payment for my employment and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, hereby does assign, transfer and set over to

**(Assignee)** (6) The Secretary of State for Defence

**(Address)** (7) Defence Evaluation & Research Agency, Ively Road,  
Farnborough, Hampshire, GU14 0LX

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

**(Other** (8) \_\_\_\_\_ in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

**Countries)**

**(Title)** (9) LIQUID CRYSTAL POLYMERS

(Case No:IPD/P2429/USW)

for which the unassigned 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

(10) on \_\_\_\_\_  
or has already filed in \_\_\_\_\_

(11) U.S. appln. Serial Number \_\_\_\_\_  
filed on \_\_\_\_\_

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

- 1) The undersigned agree(s) to execute all papers and document necessary in connection with the application or any interference which may be declared and any continuing or divisional application thereof and also to execute separate assignments in connection with 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.
- 2) 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.
- 3) 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 hereby assigned, and that he has ( they have) not executed and will not execute, any agreement in conflict herewith.
- 4) 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 record of this document.

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

Date 28-7-97 Signature of Inventor (1) A. W. Hall  
A W Hall

Date 28-7-97 Witness (1) [Signature]

Date 28.7.97 Signature of Inventor (2) D. Lacey  
D Lacey

Date 28.7.97 Witness (2) [Signature]

Date 9/9/97 Signature of Inventor (3) I C Sage  
I C Sage

Date 9.9.97 Witness (3) [Signature]

Date 9/9/97 Signature of Inventor (4) K M Blackwood  
K M Blackwood

Date 9/9/97 Witness (4) [Signature]  
I. Markson

Date 08/09/97 Signature of Inventor (5) M Jones  
M Jones

Date 8/9/97 Witness (5) PNR