

(21) Application No: **0421369.0**  
(22) Date of Filing: **13.03.2003**  
(30) Priority Data:  
(31) **20021257** (32) **13.03.2002** (33) **NO**  
(86) International Application Data:  
**PCT/NO2003/000087 En 13.03.2003**  
(87) International Publication Data:  
**WO2003/076887 En 18.09.2003**

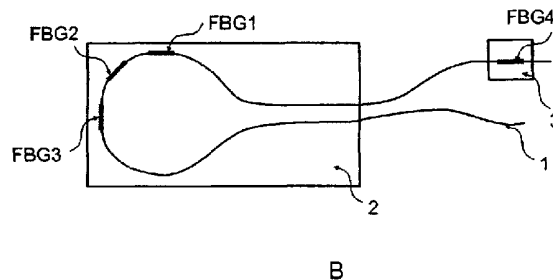
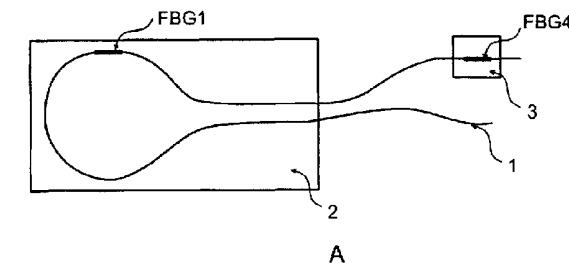
(51) INT CL<sup>7</sup>:  
**G01D 5/353 // G01L 1/24**  
(52) UK CL (Edition X):  
**G1A AA5 ABF ACA AG16 AG18 AR6 AT28 AT5**  
(56) Documents Cited by ISA:  
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(58) Field of Search by ISA:  
INT CL<sup>7</sup> **G01D, G01K, G01L**  
Other: **Online: EPO-Internal, WPI Data, PAJ**

(71) Applicant(s):  
**Light Structures AS**  
**(Incorporated in Norway)**  
**Hasleveien 38, NO-0571 Oslo, Norway**  
(72) Inventor(s):  
**Geir Sagvolden**  
**Gunnar Wang**  
**Karianne Pran**

(continued on next page)

(54) Abstract Title: **Fiber optic sensor package**

(57) This invention relates to a fiber optic strain sensor for sensing plane strain in at least one direction, as well as a sensor package and related systems. The strain sensor comprises an optical fiber (1) including at least one Bragg grating (FBG1) responsive to mechanically induced strain, the strain responsive Bragg grating(s) being bonded to a polymer film (2) with a defined direction on the film with respect to one outer edge of the film, said fiber forming an essentially circular loop on the film, said at least one Bragg grating being positioned in a linear portion of said loop. The invention also relates to a temperature sensor (3) especially for use in relation to the strain sensors.



**GB 2405202 A continuation**

(74) Agent and/or Address for Service:  
**R G C Jenkins & Co**  
**26 Caxton Street, London, SW1H 0RJ,**  
**United Kingdom**