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**Faris**

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(54) **APPLICATIONS OF LIGHT MOVABLE LIQUID CRYSTAL**

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This patent is subject to a terminal disclaimer.

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**G02B 6/26**  
**G02B 6/42** **(2006.01)<sup>f</sup>**

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(58) Field of Classification Search **385/16, 385/18; 359/872, 877; 349/62**  
See application file for complete search history.

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(57) **ABSTRACT**

Practical applications of a class of nematic elastomer which has light avoidance characteristics are disclosed. Such practical applications include a switching device, a load carrying device and programmable mask. The use of different light sources, including the use of an autonomous device are further disclosed.

**19 Claims, 9 Drawing Sheets**

