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(54) **METHODS FOR MANUFACTURING VOLUME BRAGG GRATING ELEMENTS**

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(52) **U.S. Cl.** **369/103; 385/37; 385/38; 359/3; 369/109.01**
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See application file for complete search history.

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(57) **ABSTRACT**

Methods for recording volume Bragg grating structures having a target wavelength are disclosed. Such a method may include providing a photosensitive recording medium, bringing a first face of the recording medium into contact with a face of a prism, the prism being made of a material that is transparent at a recording wavelength, and recording a Bragg grating onto the recording medium by exposing the prism to an incident light wave at the recording wavelength.

33 Claims, 9 Drawing Sheets

