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(54) **USE OF VOLUME BRAGG GRATINGS FOR THE CONDITIONING OF LASER EMISSION CHARACTERISTICS**

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(52) **U.S. Cl.** **372/102**; 372/96

(58) **Field of Classification Search** 372/19, 372/9, 22, 32
See application file for complete search history.

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(57) **ABSTRACT**

Apparatus and methods for altering one or more spectral, spatial, or temporal characteristics of a light-emitting device are disclosed. Generally, such apparatus may include a volume Bragg grating (VBG) element that receives input light generated by a light-emitting device, conditions one or more characteristics of the input light, and causes the light-emitting device to generate light having the one or more characteristics of the conditioned light.

33 Claims, 28 Drawing Sheets