

Title (en)

OPTICAL SYSTEM BASED ON OPTICAL FIBERS WITH SLOPING GRATING

Title (de)

AUF OPTISCHEN FASERN MIT GENEIGTEM GITTERBASIERENDES OPTISCHES SYSTEM

Title (fr)

SYTEME OPTIQUE BASE SUR FIBRES OPTIQUES A RESEAU INCLINE

Publication

EP 1611467 A1 20060104 (FR)

Application

EP 03813171 A 20031211

Priority

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- FR 0216236 A 20021211

Abstract (en)

[origin: FR2848749A1] The system has a photo diffraction network (EZ1) induced in an optical fiber (1). An optical source (E1) coupled to the network emits a light at a wavelength range. A coefficient layer of the network diffracts the light at the wavelength range. The network is inclined with respect to an axis of the optical fiber for diffracting the light received from the source based upon a direction of the fiber. Independent claims are also included for the following: (a) a communication system applied to the transmission system; (b) a system for measuring a liquid level; and (c) an illumination system applied to the transmission system.

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G02B 6/293

IPC 8 full level

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