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(71) Applicant: UNIVERSITY OF SOUTHERN CALIFORNIA [US/US]; Suite 313, 3716 South Hope Street, University Park, Los Angeles, CA 90007 (US).			
(72) Inventors: FENG, Kai-Ming; 1517 S. 8th Street, Alhambra, CA 91803 (US). CAI, Jin-Xing; 1102 W. 29th Street #4, Los Angeles, CA 90007 (US). WILLNER, Alan, Eli; 9326 Sawyer Street, Los Angeles, CA 90035 (US). GRUBSKY, Victor; 1001 Figueroa Terrace #305, Los Angeles, CA 90012 (US). STARODUBOR, Dmitry; 233 Lorraine Boulevard, Los Angeles, CA 90004 (US). FEINBERG, Jack; 725 33rd Street, Manhattan Beach, CA (US).		Published With international search report.	
(74) Agent: HARRIS, Scott, C.; Fish & Richardson P.C., Suite 1400, 4225 Executive Square, La Jolla, CA 92037 (US).			

(54) Title: TUNABLE NONLINEARLY CHIRPED GRATING

(57) Abstract

A nonlinearly chirped fiber grating (100) for achieving tunable dispersion compensation, chirp reduction in directly modulated diode lasers (102), and optical pulse manipulation. A dynamical dispersion compensation mechanism can be implemented in a fiber communication system based on such a nonlinearly chirped fiber grating (100).

