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(54) WAVELENGTH SELECTIVE SWITCH

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U.S. Cl. **359/497**; 359/127; 359/494; (52)359/499; 385/11

359/128, 130, 246, 494, 495, 497, 499; 385/11

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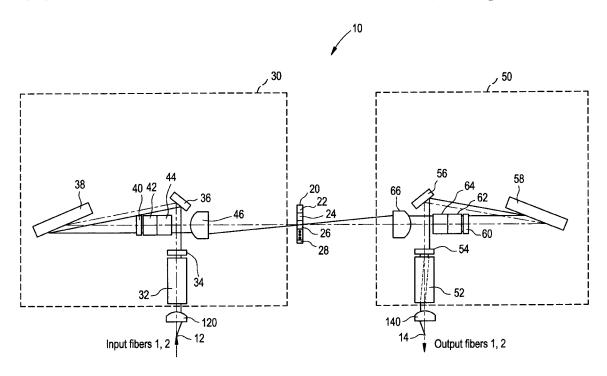
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Primary Examiner—Darren Schuberg (74) Attorney, Agent, or Firm—Daniel P. Malley

ABSTRACT

A reconfigurable bi-directional wavelength selective switch is disclosed. It has an optical system that is symmetric about a polarization modulator. The symmetric optical system consists of an input birefringent optical system and output birefringent optical system disposed around polarization modulator. The optical system delivers the wavelength channels that are to be switched as a superimposed wavelength channel incident the polarization modulator. As a result, crosstalk is reduced below -35 dB and greater optical performance is achieved.

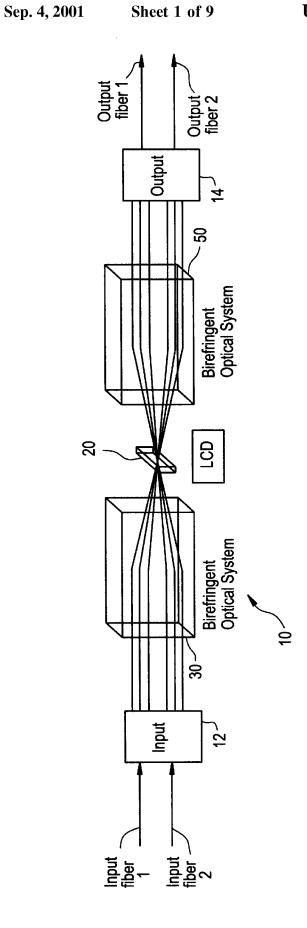
35 Claims, 9 Drawing Sheets

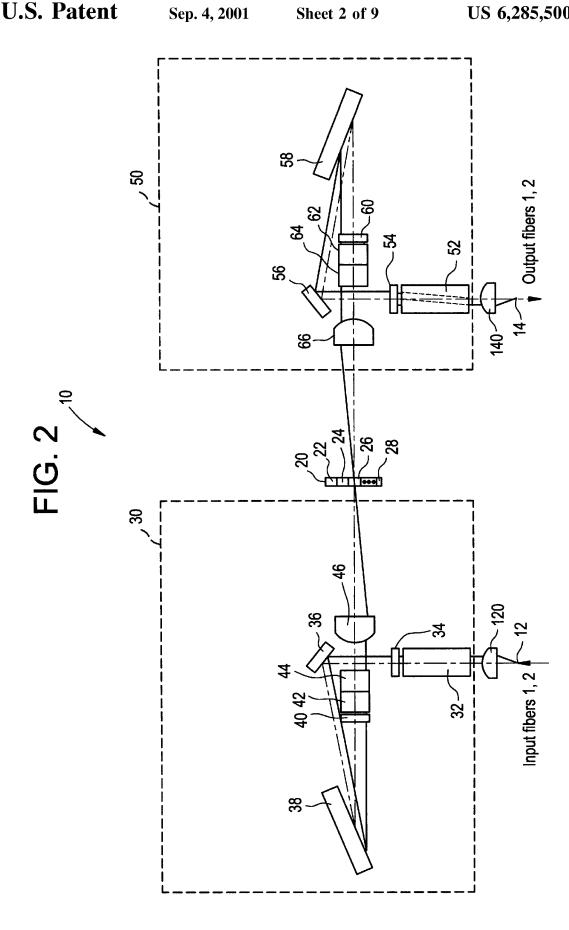




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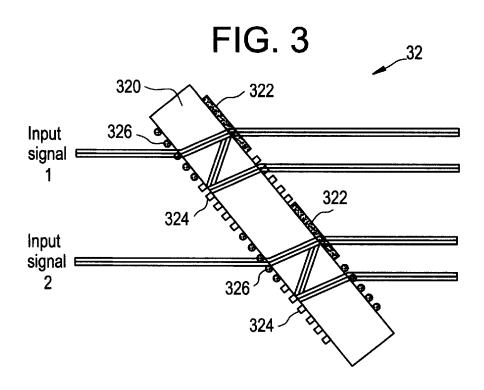
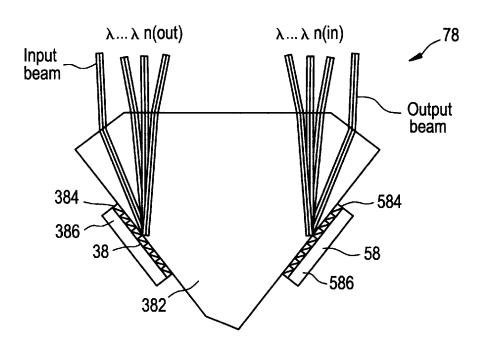
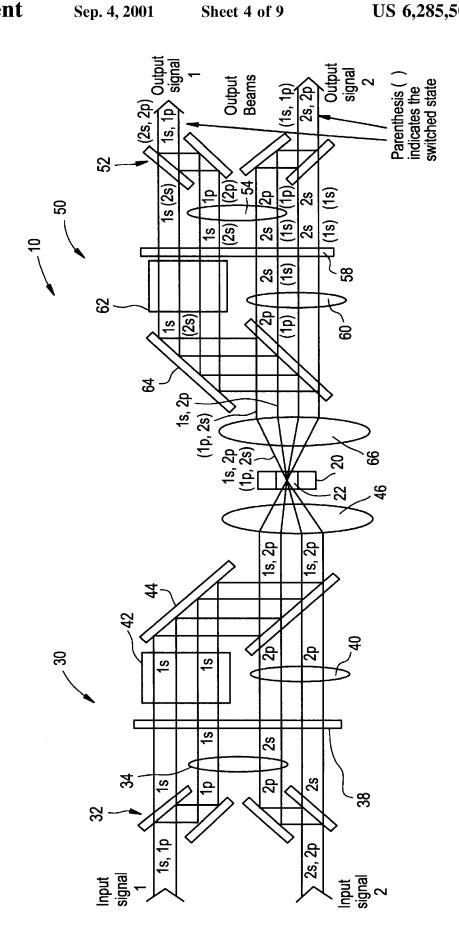


FIG. 4





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