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(54) OPTICAL CROSSCONNECT SYSTEM COMPRISING RECONFIGURABLE LIGHT-REFLECTING DEVICES

- (75) Inventors: Sungho Jin, Millington; Neal Henry Thorsten, Lebanon, both of NJ (US)
- (73) Assignee: **Agere Systems Inc.**, Miami Lakes, FL (US)
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- (21) Appl. No.: 09/197,800(22) Filed: Nov. 23, 1998
- (51) Int. Cl.⁷ G02B 6/26

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Primary Examiner—Frank G. Font Assistant Examiner—Sang H. Nguyen

(74) Attorney, Agent, or Firm-Lowenstein Sandler PC

(57) ABSTRACT

In accordance with the invention, an optical switching device comprises a light-reflecting mirror containing a magnetic component coupled to a substrate. One or more programmable magnets are provided for moving the mirror by interacting with the magnetic component. The programmable magnets move the mirrors between or among selected positions and then maintain the mirror position without continuous power. Exemplary cross connects and 2×2 switches are described.

9 Claims, 6 Drawing Sheets

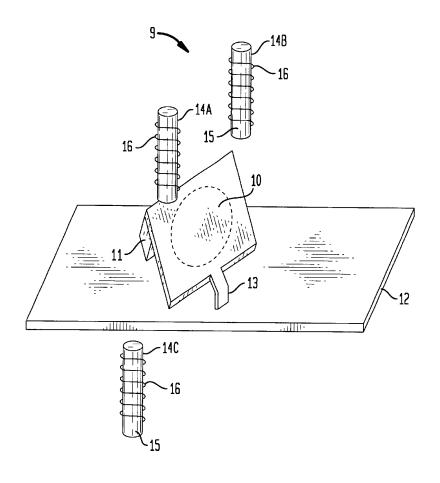
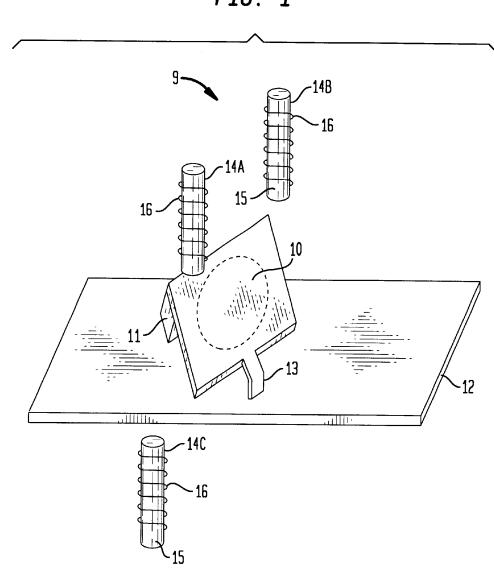
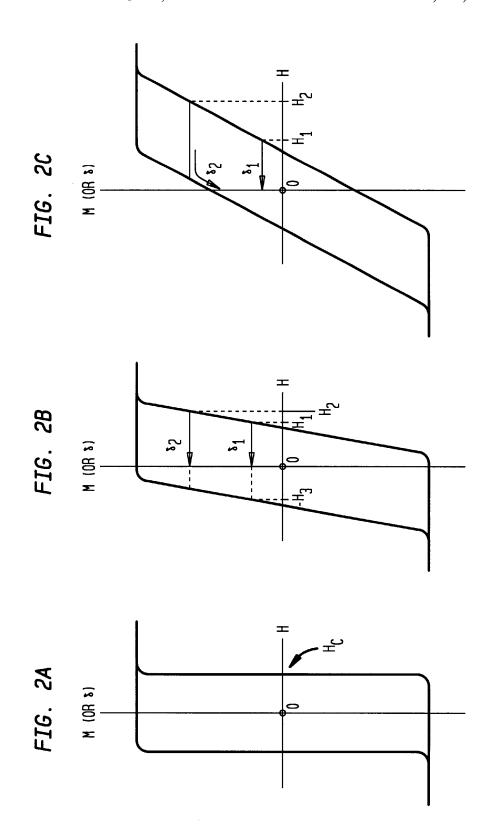




FIG. 1







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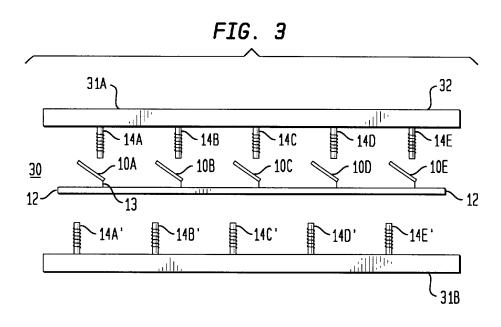
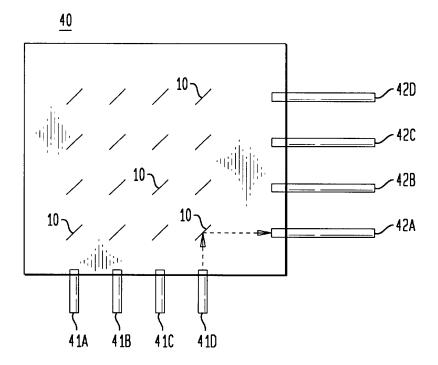
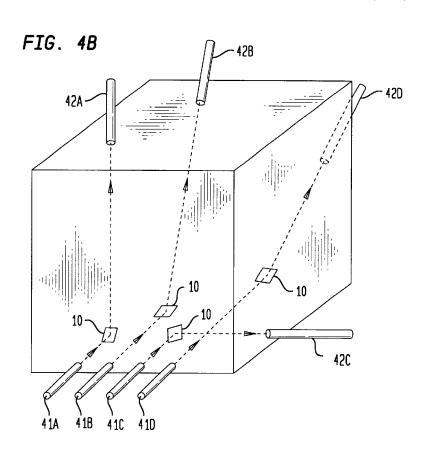
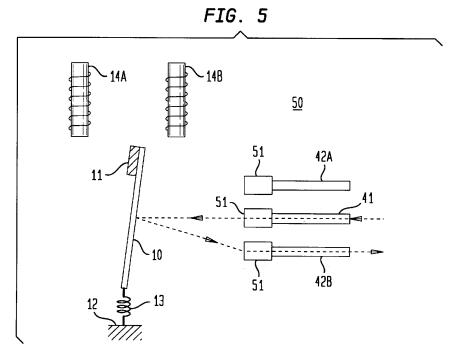


FIG. 4A







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