

Title (en)

AN OPTICAL ROUTER INCLUDING BISTABLE OPTICAL SWITCH AND METHOD THEREOF

Title (de)

OPTISCHER VERZWEIGER MIT BISTABLEM OPTISCHEN SCHALTER UND ZUGEHÖRIGES VERFAHREN

Title (fr)

ROUTEUR OPTIQUE COMPRENANT UN COMMUTATEUR OPTIQUE BISTABLE ET PROCEDE ASSOCIE

Publication

**EP 1250620 A2 20021023 (EN)**

Application

**EP 01918153 A 20010103**

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- US 17416400 P 20000103

Abstract (en)

[origin: WO0150172A2] A bistable optical micro-switch (110) controls the routing of an optical beam. The micro-switch (110) has at least one optical micro-element, which is stable through electrical power interrupts, for directing the optical beam. A change in the state of the optical micro-element is effected by a vertical micro-actuator (221, 222, 223, 224), which is biased by a micro-spring (225). A micro-latch (350) can be used to keep the tensed micro-spring (225) from un-tensing when electrical power is interrupted. A micro-latch (350) holds the micro-element in at least one mechanically tensed, stable state.

IPC 1-7

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