

Title (en)

DEVICES AND METHODS FOR SWITCHING TRANSMISSION OF LIGHT FROM ONE FIBER TO ANOTHER

Title (de)

EINRICHTUNGEN UND VERFAHREN ZUM UMSCHALTEN DER ÜBERTRAGUNG VON LICHT VON EINEM LICHTWELLENLEITER ZUM ANDEREN

Title (fr)

DISPOSITIFS ET PROCEDES SERVANT A PERMUTER LA TRANSMISSION DE LUMIERE D'UNE FIBRE A L'AUTRE

Publication

**EP 1360531 A4 20051228 (EN)**

Application

**EP 02703057 A 20020104**

Priority

- US 0200231 W 20020104
- US 26135101 P 20010112

Abstract (en)

[origin: WO02056096A2] Devices and methods for switching transmission of light from one optical fiber (450) to another (460). A steerable fiber (430) has an end (432) in a capsule (404, 406), as do one or more cooperating fibers (450, 440). Initially steerable fiber (430) is at a rest position, from where it couples light into one of the cooperating fibers (450). The end (432) of the steerable fiber (430) includes an armature (435) that moves in response to applied magnetic fields. Then a magnetic field is generated selectively, and a pair of pole pieces (420) transfers it to a location (424) inside (408) the capsule, which is close to the armature (435). Thus the end (432) of the steerable fiber (430) is moved to another position, from where it couples light into the other cooperating fiber (440).

IPC 1-7

**G02B 6/26**; **G02B 6/42**

IPC 8 full level

**G02B 6/35** (2006.01)

CPC (source: EP)

**G02B 6/3502** (2013.01); **G02B 6/3572** (2013.01); **G02B 6/355** (2013.01); **G02B 6/3582** (2013.01)

Citation (search report)

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- See references of WO 02056096A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 02056096 A2 20020718**; **WO 02056096 A3 20030313**; AU 2002236706 A1 20020724; CA 2434466 A1 20020718; EP 1360531 A2 20031112; EP 1360531 A4 20051228

DOCDB simple family (application)

**US 0200231 W 20020104**; AU 2002236706 A 20020104; CA 2434466 A 20020104; EP 02703057 A 20020104