

Title (en)
OPTICAL FERRULE CONNECTOR

Title (de)
OPTISCHER HÜLSEN VERBINDER

Title (fr)
CONNECTEUR DE FERULES OPTIQUES

Publication
EP 1502140 A1 20050202 (FR)

Application
EP 03742584 A 20030219

Priority
• EP 0350024 W 20030219
• FR 0202250 A 20020221

Abstract (en)
[origin: WO03071326A1] In order to simplify production of a connector (1) of optical ferrules (8, 13) for interconnecting two optical fibers (5, 9), in particular of different types, an adapting space made of a material transparent to light rays is provided. A plate (17) physically representing said space bears on either side two convergent lenses (14, 15). Such an arrangement provides many degrees of freedom to adjust the characteristics of the transmission of light rays from one optical fiber to another optical fiber.

IPC 1-7
G02B 6/32; **G02B 6/42**

IPC 8 full level
G02B 6/32 (2006.01); **G02B 6/42** (2006.01)

CPC (source: EP US)
G02B 6/32 (2013.01 - EP US); **G02B 6/4204** (2013.01 - EP US); **G02B 6/4206** (2013.01 - EP US)

Citation (search report)
See references of WO 03071326A1

Citation (examination)
• EP 0485109 A2 19920513 - AMERICAN TELEPHONE & TELEGRAPH [US]
• EP 0184432 A2 19860611 - AMERICAN TELEPHONE & TELEGRAPH [US]
• US 5526455 A 19960611 - AKITA OSAMU [JP], et al
• PHYSICS WORLD, June 1992 (1992-06-01), pages 42 - 46
• APPLIED OPTICS, vol. 24, no. 16, August 1985 (1985-08-01), pages 2520 - 2525

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
WO 03071326 A1 20030828; EP 1502140 A1 20050202; FR 2836234 A1 20030822; FR 2836234 B1 20040625; US 2005249459 A1 20051110

DOCDB simple family (application)
EP 0350024 W 20030219; EP 03742584 A 20030219; FR 0202250 A 20020221; US 50530305 A 20050404