

Title (en)

GRINDER FOR CORE OF OPTICAL CONNECTOR AND CORE GRINDING METHOD.

Title (de)

SCHLEIFVORRICHTUNG FÜR DIE SEELE EINER OPTISCHEN KUPPLUNG UND VERFAHREN ZUM SCHLEIFEN DIESER SEELE.

Title (fr)

MEULE DE NOYAU DE CONNECTEUR OPTIQUE ET PROCEDE DE RECTIFICATION DE NOYAU.

Publication

**EP 0231397 A4 19890313 (EN)**

Application

**EP 86904925 A 19860807**

Priority

JP 17347685 A 19850807

Abstract (en)

[origin: EP0231397A1] Technique for grinding an end surface of a core (2) of an optical connector used for connecting an optical fiber (11), to grind the same into a convex surface. A grinder (3) is provided with at least a layer (4) of a low-elasticity material, and a grinding layer (6) laminated unitarily on the upper surface of the layer (4). The JIS-A hardness and Shore hardness of the layer (4) of the low-elasticity material are set to be not less than 50 DEG and not more than 60 DEG , respectively. When the surface of such a grinder and the end surface of the core (2) of an optical connector are brought into contact with each other with a suitable pressing force, the surface of the grinder (3) is recessed to form a concave surface. Accordingly, the end surface of the core (2) of the connector can be ground into a convex surface by utilizing this recession.

IPC 1-7

**B24B 11/00**; **B24B 11/06**; **G02B 6/00**; **G02B 6/32**

IPC 8 full level

**B24B 7/16** (2006.01); **B24B 11/00** (2006.01); **B24B 11/06** (2006.01); **B24B 19/00** (2006.01); **B24B 19/22** (2006.01); **B24D 9/08** (2006.01); **G02B 6/00** (2006.01); **G02B 6/32** (2006.01)

CPC (source: EP KR)

**B24B 7/16** (2013.01 - EP); **B24B 11/00** (2013.01 - EP KR); **B24B 19/226** (2013.01 - EP)

Citation (search report)

See references of WO 8700785A1

Cited by

US10543582B2; WO2020046781A1; US10866368B2

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**EP 0231397 A1 19870812**; **EP 0231397 A4 19890313**; **EP 0231397 B1 19920304**; AU 6200086 A 19870305; CA 1322457 C 19930928; DE 3684135 D1 19920409; JP S6234762 A 19870214; KR 870700454 A 19871229; KR 930007108 B1 19930730; NZ 217135 A 19890106; WO 8700785 A1 19870212

DOCDB simple family (application)

**EP 86904925 A 19860807**; AU 6200086 A 19860807; CA 515499 A 19860807; DE 3684135 T 19860807; JP 17347685 A 19850807; JP 8600406 W 19860807; KR 870700291 A 19870403; NZ 21713586 A 19860807