

Title (en)

PROCESS FOR FINISH-ABRADING OPTICAL-FIBER-CONNECTOR END-SURFACE

Title (de)

VERFAHREN ZUM ABSCHLIESSENDEN SCHLEIFEN DER ENDFLÄCHE EINES OPTISCHEN-FASER-STECKERS

Title (fr)

PROCESSUS DESTINE AU POLISSAGE DE FINITION DE LA SURFACE D'EXTREMITÉ D'UN CONNECTEUR A FIBRE OPTIQUE

Publication

**EP 1474715 A1 20041110 (EN)**

Application

**EP 03703931 A 20030121**

Priority

- JP 2002032675 A 20020208
- US 0301765 W 20030121

Abstract (en)

[origin: WO03067299A1] To provide a process for finish-abrading an optical-fiber-connector end-surface without generating abrasion scratch on an abraded surface of optical fiber, nor generating an adherent substance. A process for finish-abrading an optical-fiber-connector end-surface which comprises a step of abrading an optical-fiber-connector end-surface with using an abrasive film (100) composed of abrasive grains (103) fixed on a film-form substrate (101), in the presence of a lubricating liquid, wherein the lubricating liquid is an aqueous solution containing a hydrophilic surfactant.

IPC 1-7

**G02B 6/38**; B24B 19/22; B24D 3/00; G02B 6/25

IPC 8 full level

**B24B 19/00** (2006.01); **B24B 19/22** (2006.01); **B24B 21/00** (2006.01); **B24B 55/02** (2006.01); **B24D 3/28** (2006.01); **G02B 6/38** (2006.01)

CPC (source: EP KR)

**B24B 19/22** (2013.01 - KR); **B24B 19/226** (2013.01 - EP); **B24D 3/00** (2013.01 - KR); **B24D 3/28** (2013.01 - EP); **G02B 6/25** (2013.01 - KR); **G02B 6/38** (2013.01 - KR); **G02B 6/3863** (2013.01 - EP); **B24D 2203/00** (2013.01 - EP); **G02B 6/3818** (2013.01 - EP)

Citation (search report)

See references of WO 03067299A1

Citation (examination)

- US 5307593 A 19940503 - LUCKER JAMES A [US], et al
- US 6280489 B1 20010828 - HORIE YUJI [JP], et al

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**WO 03067299 A1 20030814**; AU 2003205259 A1 20030902; CN 1703640 A 20051130; EP 1474715 A1 20041110; JP 2003231047 A 20030819; KR 20040081187 A 20040920

DOCDB simple family (application)

**US 0301765 W 20030121**; AU 2003205259 A 20030121; CN 03803571 A 20030121; EP 03703931 A 20030121; JP 2002032675 A 20020208; KR 20047012170 A 20030121