

Title (en)

Tool for polishing conventional and free-form optical surfaces

Title (de)

Werkzeug zur Reinigung konventioneller und frei geformter optischer Oberflächen

Title (fr)

Outil pour polir des surfaces optiques conventionnelles et en forme libre

Publication

**EP 2143527 A1 20100113 (EN)**

Application

**EP 08382026 A 20080708**

Priority

EP 08382026 A 20080708

Abstract (en)

The invention relates to a tool (10) for polishing optical surfaces (21) comprising a rigid base (11) which has a spherical surface (14) which carries a resilient cushion (12) which has a polishing face (16), characterised in that the diameter of the rigid base (11) is between 50 and 65 mm, the radius of curvature of the spherical surface (14) is between 54 and 60 mm, the thickness of the resilient cushion (12) is between 13 and 16 mm and the resistance to compression of the resilient cushion (12) is substantially between 0.08 and 0.15 bar at 10% compression and substantially between 0.55 and 0.8 bar at 70% compression. The invention also relates to the use of such a tool for polishing an optical surface, particularly an ophthalmic lens, and more particularly a free-form lens.

IPC 8 full level

**B24B 13/01** (2006.01); **B24D 13/14** (2006.01)

CPC (source: EP US)

**B24B 13/02** (2013.01 - EP US); **B24D 13/147** (2013.01 - EP US)

Citation (applicant)

- EP 1655102 A2 20060510 - SEIKO EPSON CORP [JP]
- US 2008047301 A1 20080228 - DURSTELER LOPEZ JUAN CARLOS [ES], et al

Citation (search report)

- [DA] US 2008047301 A1 20080228 - DURSTELER LOPEZ JUAN CARLOS [ES], et al
- [A] EP 1249307 A2 20021016 - ESSILOR INT [FR]

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CN107107315A; WO2016058661A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

**EP 2143527 A1 20100113**; **EP 2143527 B1 20110112**; AT E494985 T1 20110115; DE 602008004494 D1 20110224; ES 2359283 T3 20110520; JP 2011527242 A 20111027; US 2011104998 A1 20110505; WO 2010004065 A1 20100114

DOCDB simple family (application)

**EP 08382026 A 20080708**; AT 08382026 T 20080708; DE 602008004494 T 20080708; ES 08382026 T 20080708; ES 2009000355 W 20090707; JP 2011517179 A 20090707; US 73739309 A 20090707