

Title (en)

DEVICE AND METHOD FOR POLISHING AN OPTICAL SURFACE AND METHOD FOR THE PRODUCTION OF A POLISHING TOOL

Title (de)

VORRICHTUNG UND VERFAHREN ZUM POLIEREN EINER OPTISCHEN FLÄCHE SOWIE VERFAHREN ZUM HERSTELLEN EINES POLIERWERKZEUGS

Title (fr)

DISPOSITIF ET PROCEDE POUR POLIR UNE SURFACE OPTIQUE ET PROCEDE POUR REALISER UN OUTIL DE POLISSAGE

Publication

EP 1711311 B2 20110720 (DE)

Application

EP 05700889 A 20050113

Priority

- EP 2005000278 W 20050113
- DE 102004003131 A 20040115

Abstract (en)

[origin: WO2005068133A1] Disclosed is a device for polishing an optical surface, particularly a surface (16) of a spectacle lens (12). A polishing head (20) is provided with a polishing tool (22) comprising a first, preferably rigid body (24), a second, elastic body (26), and a polishing coating (28) which are disposed one behind another along a common axis (36) and extend essentially in a radial direction in relation to said axis (36), respectively. The second body (26) is embodied in an increasingly soft manner towards the outside in a radial direction (h; x, y). Also disclosed are a method for polishing an optical surface, particularly a surface (16) of a spectacle lens (12), an optical component, especially a spectacle lens (12), which is produced according to said method, and a method for producing a polishing tool (20).

IPC 8 full level

B24B 13/02 (2006.01); **B24D 13/14** (2006.01)

CPC (source: EP US)

B24B 13/02 (2013.01 - EP US); **B24D 13/142** (2013.01 - EP US)

Citation (opposition)

Opponent :

- JP 2000133449 A 20000512 - ROHM CO LTD
- JP S61100358 A 19860519 - CANON KK
- US 2003017783 A1 20030123 - BERNARD JOEL [FR], et al
- EP 1327496 A2 20030716 - HOYA CORP [JP]
- EP 0366051 A1 19900502 - FERRO CORP [US]
- DE 10100860 A1 20010823 - ZEISS CARL [DE]

Cited by

EP2014412A1; US8574035B2; DE102007026841A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005068133 A1 20050728; AT E361175 T1 20070515; AU 2005205040 A1 20050728; AU 2005205040 B2 20100107; CA 2553898 A1 20050728; CA 2553898 C 20131015; DE 102004003131 A1 20050811; DE 502005000667 D1 20070614; EP 1711311 A1 20061018; EP 1711311 B1 20070502; EP 1711311 B2 20110720; US 2007021036 A1 20070125; US 2009163118 A1 20090625; US 7503834 B2 20090317

DOCDB simple family (application)

EP 2005000278 W 20050113; AT 05700889 T 20050113; AU 2005205040 A 20050113; CA 2553898 A 20050113; DE 102004003131 A 20040115; DE 502005000667 T 20050113; EP 05700889 A 20050113; US 39185409 A 20090224; US 48557806 A 20060712