

Title (en)

Polishing tool for machining optical surfaces, in particular free form surfaces

Title (de)

Polierwerkzeug zur Bearbeitung von optischen Flächen, insbesondere Freiformflächen

Title (fr)

Outil de polissage pour le traitement de surfaces optiques, notamment des surfaces de moulage libre

Publication

EP 2384854 A3 20140917 (DE)

Application

EP 11164042 A 20110428

Priority

- DE 102010019491 A 20100430
- US 32993710 P 20100430

Abstract (en)

[origin: EP2384854A2] The tool (22) has a flexible layer (26) arranged between a polishing sheet (28) and a carrier body (24), where an edge region of the polishing sheet is limited by a base circle (46) in radial direction (40). Edge elements (48) outwardly approximately extend about 4 mm from the base circle in the radial direction and are formed as teeth, where contour of each edge element ends in an end point (54). An active surface (29) of the polishing sheet outwardly and continuously decreases up to zero in the edge region of the sheet in the radial direction.

IPC 8 full level

B24B 13/00 (2006.01); **B24D 3/00** (2006.01)

CPC (source: EP US)

B24B 13/00 (2013.01 - EP US); **B24D 3/00** (2013.01 - EP US); **Y10S 451/921** (2013.01 - EP US)

Citation (search report)

- [AD] WO 2005068133 A1 20050728 - ZEISS CARL AG [DE], et al
- [A] FR 2900356 A1 20071102 - ESSILOR INT [FR]

Cited by

EP3106262A1; US10166646B2

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2384854 A2 20111109; EP 2384854 A3 20140917; EP 2384854 B1 20151028; DE 102010019491 A1 20111103;
DE 102010019491 B4 20150709; ES 2559811 T3 20160216; HU E026187 T2 20160530; PL 2384854 T3 20160630; PT 2384854 E 20160216;
US 2011275295 A1 20111110; US 8979618 B2 20150317

DOCDB simple family (application)

EP 11164042 A 20110428; DE 102010019491 A 20100430; ES 11164042 T 20110428; HU E11164042 A 20110428; PL 11164042 T 20110428;
PT 11164042 T 20110428; US 201113097700 A 20110429