

Title (en)
POLISHING HEAD FOR A POLISHING MACHINE

Title (de)
POLIERKOPF FÜR EINE POLIERMASCHINE

Title (fr)
TETE DE POLISSAGE POUR UNE POLISSEUSE

Publication
EP 1251997 A1 20021030 (DE)

Application
EP 01909601 A 20010111

Priority
• DE 10004455 A 20000203
• EP 0100253 W 20010111

Abstract (en)
[origin: WO0156740A1] The invention relates to a polishing head for a polishing machine, especially for polishing optical surfaces. The inventive polishing head comprises a polishing plate that is linked with a rotation-driven primary shaft. Said polishing plate (7) is hinged on the primary shaft (7) so as not to rotate. The hinged, rotationally fixed connection can be established by means of a hexagonal ball joint. Said hinged connection allows the polishing plate to rotate and simultaneously follow the surface (41) of the work piece (39) to be polished so that the polishing lining (5) always rests on the largest area possible of the surface (41).

IPC 1-7
B24B 13/02; **B24B 45/00**; **B24B 41/04**; **B24B 47/10**

IPC 8 full level
B24B 13/02 (2006.01); **B24B 41/04** (2006.01); **B24B 45/00** (2006.01); **B24B 47/10** (2006.01); **B24B 49/16** (2006.01)

CPC (source: EP US)
B24B 13/02 (2013.01 - EP US); **B24B 41/04** (2013.01 - EP US); **B24B 45/00** (2013.01 - EP US); **B24B 47/10** (2013.01 - EP US); **B24B 49/006** (2013.01 - EP US); **B24B 49/16** (2013.01 - EP US)

Citation (search report)
See references of WO 0156740A1

Cited by
DE102012216724A1; DE102014206424A1; US7588480B2; US8011996B2; DE102012014399A1; EP3539459A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0156740 A1 20010809; AU 3728501 A 20010814; DE 10100860 A1 20010823; DE 50101982 D1 20040519; DE 50114907 D1 20090702; EP 1251997 A1 20021030; EP 1251997 B1 20040414; EP 1251997 B2 20110608; EP 1386694 A1 20040204; EP 1386694 B1 20090520; EP 1386694 B2 20130109; JP 2003525756 A 20030902; JP 4945771 B2 20120606; TW 558477 B 20031021; US 2003045211 A1 20030306; US 2005037695 A1 20050217; US 2008020691 A1 20080124; US 7588480 B2 20090915; US 8011996 B2 20110906

DOCDB simple family (application)
EP 0100253 W 20010111; AU 3728501 A 20010111; DE 10100860 A 20010111; DE 50101982 T 20010111; DE 50114907 T 20010111; EP 01909601 A 20010111; EP 03025546 A 20010111; JP 2001556620 A 20010111; TW 90101335 A 20010130; US 21175002 A 20020802; US 83791807 A 20070813; US 94950504 A 20040924