

Title (en)

GRINDING WHEEL FOR GRINDING SPIRAL-SHAPED PROFILES

Title (de)

SCHLEIFSCHEIBE ZUM SCHLEIFEN SPIRAL-GEFORMTE PROFILE

Title (fr)

ROULE DE MOULAGE POUR LA RECTIFICATION DE PROFILS DE FORME SPIRALE

Publication

EP 3243601 A1 20171115 (EN)

Application

EP 17425033 A 20170315

Priority

IT UA20163255 A 20160509

Abstract (en)

Described is a grinding wheel for grinding spiral-shaped profiles, comprising a first abrasive disc (1a) and a second abrasive disc (1b), arranged side by side and positioned coaxially, the two discs (1a, 1b) being rigidly coupled to each other and each having an abrasive peripheral profile (5a, 5b) in such a way that the two abrasive discs (1a, 1b) engage inside two respective grooves (4a, 4b) of at least one spiral-shaped profile (3) of a mechanical member (2), wherein the two discs (1a, 1b) have different abrasive properties to define different levels of surface roughness of the grooves (4a, 4b).

IPC 8 full level

B24D 5/00 (2006.01); **B24B 19/02** (2006.01); **B24D 3/14** (2006.01); **B24D 3/22** (2006.01); **B24D 5/02** (2006.01)

CPC (source: EP)

B24B 19/022 (2013.01); **B24D 3/14** (2013.01); **B24D 3/22** (2013.01); **B24D 5/00** (2013.01); **B24D 5/02** (2013.01)

Citation (search report)

- [XYI] EP 1784282 A1 20070516 - ZF LENKSYSTEME GMBH [DE]
- [Y] GB 398519 A 19330915 - JOHANSSON AB C E
- [Y] DE 102011055661 A1 20130529 - ZF LENKSYSTEME GMBH [DE]
- [Y] JP 2005131760 A 20050526 - KOYO SEIKO CO
- [Y] US 3093464 A 19630611 - COES JR LORING
- [Y] GB 1364915 A 19740829 - INSTR Z BOLCHEVIK

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 3243601 A1 20171115; **EP 3243601 B1 20190710**; ES 2746229 T3 20200305; IT UA20163255 A1 20171109; JP 2017202564 A 20171116; JP 6902882 B2 20210714; TW 201739550 A 20171116; TW I722112 B 20210321

DOCDB simple family (application)

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