

Title (en)

CUTTING PROFILE TOOL FOR THE PRODUCTION OF SPIRAL AND HYPOID BEVEL GEARS

Title (de)

SPANABHEBENDES PROFILWERKZEUG ZUR HERSTELLUNG VON SPIRAL- UND HYPOIDKEGELRÄDERN

Title (fr)

OUTIL DE COUPE PROFILE POUR LA PRODUCTION DE PIGNONS CONIQUES SPIRAUX OU "HYPOID"

Publication

EP 1276581 A2 20030122 (DE)

Application

EP 00989925 A 20001130

Priority

- DE 19958675 A 19991206
- EP 0012013 W 20001130

Abstract (en)

[origin: WO0141960A2] The invention relates to a profile tool for the cutting of workpieces in the form of spiral and hypoid bevel gears, in particular, for motor vehicles. Said profile tool comprises several profile sections in the form of curves or straight edges. A profile is optionally radially overlaid on some of these profile sections, which is an nth order polynomial.

IPC 1-7

B23F 1/00

IPC 8 full level

B23F 21/02 (2006.01); **B23F 21/14** (2006.01); **B23F 21/22** (2006.01)

CPC (source: EP US)

B23F 21/02 (2013.01 - EP US); **B23F 21/023** (2013.01 - EP US); **B23F 21/14** (2013.01 - EP US); **B23F 21/22** (2013.01 - EP US)

Citation (search report)

See references of WO 0141960A2

Designated contracting state (EPC)

AT BE CH CY DE FR IT LI

DOCDB simple family (publication)

WO 0141960 A2 20010614; **WO 0141960 A3 20011101**; DE 19958675 A1 20010607; EP 1276581 A2 20030122; US 2002182998 A1 20021205

DOCDB simple family (application)

EP 0012013 W 20001130; DE 19958675 A 19991206; EP 00989925 A 20001130; US 13045902 A 20020516