

Title (en)

Drive train assembly for a machine tool and machine tool

Title (de)

Getriebearordnung für eine Werkzeugmaschine sowie Werkzeugmaschine

Title (fr)

Agencement d'engrenage pour une machine-outil et machine-outil

Publication

EP 2700477 B1 20171206 (DE)

Application

EP 13176696 A 20130716

Priority

DE 102012214938 A 20120822

Abstract (en)

[origin: EP2700477A1] The gear assembly (10) has a drive spindle (14) for driving a tool, while a coaxial gear ring (28) is coupled with the drive spindle. A drive torque from a driven shaft (12) is transmitted to the driving spindle by an intermediate shaft (20). A counter shaft (30) has a gear (26), which is engaged or disengaged with the coaxial gear ring of the drive spindle in an operating mode of the machine tool. The coaxial gear ring is mounted rotatably on the drive spindle and is moved relative to the drive spindle between two positions. The countershaft is arranged parallel to the intermediate shaft. The driving spindle has a drilling sleeve (18) with a coupling portion, which is engaged with the coaxial gear ring. An independent claim is included for a drive machine tool, which has a drive unit.

IPC 8 full level

B25D 11/06 (2006.01); **B25D 16/00** (2006.01)

CPC (source: EP)

B25D 11/062 (2013.01); **B25D 16/006** (2013.01); **B25D 2216/0015** (2013.01); **B25D 2216/0023** (2013.01); **B25D 2216/0038** (2013.01)

Cited by

DE102017121720A1; DE102017121717A1; EP3456479A1; CN112757231A; US11318596B2; US11529727B2; US11826891B2; EP3812098A1; EP3812097A1

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DOCDB simple family (publication)

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DOCDB simple family (application)

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