

Title (en)

DEVICE AND METHOD FOR PRODUCING TOOTH-LIKE PROFILED SECTIONS ON WORKPIECES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG VON VERZÄHNUNGSARTIGEN PROFILIERUNGEN VON WERKSTÜCKEN

Title (fr)

DISPOSITIF ET PROCEDE DE PRODUCTION DE PROFILS DE TYPE DENTE SUR DES PIECES

Publication

EP 1713600 B1 20161012 (DE)

Application

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Priority

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Abstract (en)

[origin: WO2005075125A1] The invention relates to a device for producing cylindrical workpieces (1) having defined profiled sections. The device comprises a workpiece holder (2) that is axially displaceable and intermittently rotates about a longitudinal axis (Z), and shaping tools (9; 12) that periodically act upon the workpiece. The inventive device is characterized by at least one drive (11) for the intermittent rotation of the workpiece holder (2), which is mechanically separate from the drive (8) for the shaping tools (9; 12). The drive (11) is linked with an electronic control which controls the intermittent rotational movement depending on the drive (8) of the shaping tools (9; 12). The invention allows to adjust any intermittent movement relative to the position and angle of the workpiece (1), thereby contributing to a precise and especially rapid processing of the workpiece (1).

IPC 8 full level

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CPC (source: EP US)

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Citation (opposition)

Opponent : Leifeld Metal Spinning AG

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WO 2005075125 A1 20050818; CA 2553544 A1 20050818; CA 2553544 C 20100223; CN 100429018 C 20081029; CN 1913988 A 20070214; EP 1713600 A1 20061025; EP 1713600 B1 20161012; ES 2610462 T3 20170427; JP 2007519528 A 20070719; MX PA06008340 A 20070417; US 2007163320 A1 20070719; US 7562549 B2 20090721

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