

Title (en)

METHOD FOR PRODUCING A COMPONENT WHICH HAS A TOOTHING PROFILE, AND TOOL DEVICE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES EIN VERZÄHNUNGSPROFIL AUFWEISENDEN BAUTEILS; SOWIE WERKZEUGVORRICHTUNG

Title (fr)

PROCÉDÉ DE PRODUCTION D'UN COMPOSANT QUI PRÉSENTE UN PROFIL DE DENTURE, ET DISPOSITIF D'OUTIL

Publication

**EP 4323132 A1 20240221 (DE)**

Application

**EP 22713861 A 20220316**

Priority

- DE 102021109639 A 20210416
- DE 2022100204 W 20220316

Abstract (en)

[origin: WO2022218462A1] The invention relates to a method for producing a component (10) which has a tothing profile (5). In a first step, a component blank (1) is inserted into a mounting (2) of a tool device (4) for receiving a pressing force during a movement of a pressing part (3) of the tool device (4) in a vertical movement direction (V), and in a second step, the tothing profile (5) is pressed into the component blank (1) using a rotational body (7) which is coupled to the pressing part (3) via a joint rod (8), wherein when the pressing part (3) is moved in the movement direction (V), the rotational body (7) is pressed in the direction of the component blank (1) and rolls along the component blank (1) such that the tothing profile (5) is formed. The invention additionally relates to a tool device (4) for producing the component (10).

IPC 8 full level

**B21H 5/00** (2006.01); **B21J 9/02** (2006.01); **B21K 1/76** (2006.01); **F16H 55/26** (2006.01)

CPC (source: EP)

**B21H 5/00** (2013.01); **B21J 9/022** (2013.01); **B21K 1/767** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**DE 102021109639 B3 20220825**; CN 117157157 A 20231201; EP 4323132 A1 20240221; JP 2024516799 A 20240417; WO 2022218462 A1 20221020

DOCDB simple family (application)

**DE 102021109639 A 20210416**; CN 202280026717 A 20220316; DE 2022100204 W 20220316; EP 22713861 A 20220316; JP 2023562976 A 20220316