

Title (en)

FORGING METHOD, IN PARTICULAR LIGHTWEIGHT CONSTRUCTION ALLOY FORGING METHOD, AND FORGING PRESS

Title (de)

SCHMIEDEVERFAHREN, INSBESONDERE LEICHTBAULEGIERUNGSSCHMIEDEVERFAHREN, UND SCHMIEDEPRESSE

Title (fr)

PROCÉDÉ DE FORGEAGE, NOTAMMENT PROCÉDÉ DE FORGEAGE D'UN ALLIAGE DE CONSTRUCTION LÉGÈRE, ET PRESSE À FORGER

Publication

EP 3655176 B1 20210804 (DE)

Application

EP 18743519 A 20180720

Priority

- DE 102017116556 A 20170721
- EP 2018069830 W 20180720

Abstract (en)

[origin: WO2019016394A1] The invention relates to forging methods, in particular lightweight construction alloy forging methods, wherein in at least one method step a forged component is cooled in a forging tool (14, 16, 18), in particular in a shaping, stamping and/or calibration tool. It is proposed that, in at least one method step, at least one forging press parameter, in particular a maximum press force and/or a press ram position, of a forging press (20, 22) is changed or is kept at a constant value, in particular according to a cooling of the forged component in the forging tool (14, 16, 18). The invention also relates to a forging press.

IPC 8 full level

B21D 37/16 (2006.01); **B21J 1/06** (2006.01); **B21J 5/02** (2006.01); **B21J 9/02** (2006.01); **B21J 13/02** (2006.01); **C21D 1/673** (2006.01)

CPC (source: EP)

B21J 1/06 (2013.01); **B21J 5/025** (2013.01); **B21J 9/022** (2013.01); **B21J 13/02** (2013.01); **C21D 1/673** (2013.01); **C22F 1/04** (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

DOCDB simple family (publication)

WO 2019016394 A1 20190124; DE 102017116556 A1 20190124; DE 102017116556 B4 20220203; EP 3655176 A1 20200527; EP 3655176 B1 20210804

DOCDB simple family (application)

EP 2018069830 W 20180720; DE 102017116556 A 20170721; EP 18743519 A 20180720