

Title (en)

Method for producing a forge preform and warm upsetting device

Title (de)

Verfahren zum Erzeugen einer Schmiedevorform und Umformvorrichtung oder Warmstauchvorrichtung

Title (fr)

Procédé de production d'une préforme forgée et dispositif de déformage ou dispositif de refolement chaud

Publication

EP 2484462 A2 20120808 (DE)

Application

EP 12000767 A 20120206

Priority

- DE 102011010446 A 20110204
- DE 102011105244 A 20110610

Abstract (en)

The hot upsetting method involves forming a contour of a work piece with a forging tool to a forging preform contour. The work piece is introduced into a cavity (8) of the forming tool. The work piece is compressed in a forming tool (2) to a forging preform with varying cross-sections and is provided as forged preform with a defined volume pre-distribution for a subsequent forging process. Independent claims are also included for the following: (1) a forming tool with a cavity for generating a forging preform with varying cross-sections for producing a forging; and (2) a forming device or warm compression device for generating a forging preform for forging a forging with a forming tool.

Abstract (de)

Um Nachteile beim Erzeugen einer Schmiedevorform mittels herkömmlicher Quer- und/oder Reckwalzverfahren zu beheben, schlägt die Erfindung eine Verwendung eines Warmstauchverfahrens zum Erzeugen einer Schmiedevorform mit veränderlichen Querschnitten zum Herstellen eines Schmiedeteils vor. Die Erfindung betrifft auch Vorrichtungen zum Warmstauchen.

IPC 8 full level

B21J 1/04 (2006.01); **B21J 5/08** (2006.01); **B21J 13/02** (2006.01)

CPC (source: EP)

B21J 1/04 (2013.01); **B21J 5/08** (2013.01); **B21J 13/02** (2013.01)

Citation (applicant)

- DE 19916590 A1 20001026 - CDP ALUMINIUMTECHNIK GMBH & CO [DE]
- DE 1301297 B 19690821 - TS LAB OBRO BKI PLASTYCZNEJ

Cited by

CN113477865A; CN113680939A; CN109317588A; CN102873237A; CN114603320A

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

DOCDB simple family (publication)

EP 2484462 A2 20120808; **EP 2484462 A3 20121024**; **EP 2484462 B1 20170726**; DE 102011105244 A1 20120809

DOCDB simple family (application)

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