

Title (en)

HOT FORMING METHOD AND DEVICE

Title (de)

WARMUMFORMVORRICHTUNG UND VERFAHREN ZUM WARMUMFORMEN

Title (fr)

DISPOSITIF ET PROCÉDÉ DE FORMAGE À CHAUD

Publication

EP 2931453 A1 20151021 (DE)

Application

EP 13811422 A 20131213

Priority

- DE 102012112334 A 20121214
- EP 2013076608 W 20131213

Abstract (en)

[origin: WO2014091014A1] The invention relates to a hot forming device (1) for hot forming and/or hot stamping workpieces (4), preferably consisting of steel sheets, said workpieces (4) having one tempered workpiece section and one ductile workpiece section following the hot stamping. The hot forming device (1) comprises a first forming station (2) with a first tool (3) and a second forming station (2') arranged behind said first forming station (2) and comprising a second tool (3') which is designed to have the shaped contour of the first tool (3). At least the first tool (3) comprises a first tool section (33) which is provided to form the tempered workpiece section, and a second tool section (34) which is provided to form the ductile workpiece section. The tools (3, 3') comprise temperature control devices (10) for adjusting the temperatures.

IPC 8 full level

B21D 22/02 (2006.01); **B21D 37/16** (2006.01); **B21D 53/88** (2006.01)

CPC (source: EP)

B21D 22/022 (2013.01); **B21D 37/16** (2013.01); **B21D 53/88** (2013.01)

Citation (search report)

See references of WO 2014091014A1

Cited by

DE102021110702A1

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)

DE 102012112334 A1 20140618; EP 2931453 A1 20151021; EP 2931453 B1 20161102; WO 2014091014 A1 20140619

DOCDB simple family (application)

DE 102012112334 A 20121214; EP 13811422 A 20131213; EP 2013076608 W 20131213