

Title (en)

HYBRID PRESS FOR SHAPING LARGE WORKPIECES

Title (de)

HYBRIDPRESSE ZUM FORMEN VON GROSSEN WERKSTÜCKEN

Title (fr)

PRESSE HYBRIDE POUR LE FORMAGE DE PIECES DE FORTES DIMENSIONS

Publication

EP 1718425 B1 20071212 (FR)

Application

EP 05726416 A 20050209

Priority

- FR 2005050079 W 20050209
- FR 0450242 A 20040211

Abstract (en)

[origin: FR2865949A1] The press has a lower die (4), an upper die (6) and a hydraulic jack (8) for inserting a metal piece (2) between the two dies. A laser (16) emits a laser beam (14) on a surface of the piece (2). An opening (18) is formed in the die (6) for passing the laser beam on the piece through the die (6). A laser (20) is provided for heating the piece, during forming of the piece. An independent claim is also included for a method of forming a metal with large thickness.

IPC 8 full level

B21J 9/08 (2006.01); **B21J 1/06** (2006.01); **B23K 26/00** (2006.01)

CPC (source: EP)

B21J 1/06 (2013.01); **B21J 9/08** (2013.01)

Designated contracting state (EPC)

BE DE GB IT NL

DOCDB simple family (publication)

FR 2865949 A1 20050812; FR 2865949 B1 20060519; DE 602005003794 D1 20080124; DE 602005003794 T2 20081224; EP 1718425 A1 20061108; EP 1718425 B1 20071212; WO 2005077567 A1 20050825

DOCDB simple family (application)

FR 0450242 A 20040211; DE 602005003794 T 20050209; EP 05726416 A 20050209; FR 2005050079 W 20050209