

Title (en)

IMPROVED AUTOMATIC INSTALLATION FOR TRANSFERRING AND FORGING ANY METAL COMPONENTS.

Title (de)

AUTOMATISCHE ANLAGE ZUM ÜBERFÜHREN UND SCHMIEDEN VON BELIEBIGEN METALLWERKSTÜCKEN.

Title (fr)

INSTALLATION AUTOMATIQUE PERFECTIONNEE DE TRANSFERT ET FORGEAGE DE PIECES METALLIQUES QUELCONQUES.

Publication

EP 0432236 B1 19931110 (FR)

Application

EP 90908559 A 19900601

Priority

FR 8907547 A 19890607

Abstract (en)

[origin: WO9014903A1] This invention concerns an improved automatic installation for transferring and forging any metal components. It essentially comprises a forging press (P) fitted with a plurality of stamping devices, a robot (6) fitted with an arm (7) for fetching a billet or blank to the press and two opposite robots (8, 9) arranged facing two opposite sides of the press (P), each equipped with a transfer arm (8a, 9a) having a plurality of component handling devices (10 to 17) and a plurality of spraying ramps (18) for the stamping devices (1, 2, 3, 4). This installation makes it possible to produce at a fast rate any components for the automobile industry, like crankshafts.

IPC 1-7

B21J 13/10; B21J 3/00

IPC 8 full level

B21J 3/00 (2006.01); **B21J 13/10** (2006.01); **B21K 27/04** (2006.01)

CPC (source: EP)

B21J 3/00 (2013.01); **B21J 13/10** (2013.01); **B21K 27/04** (2013.01)

Designated contracting state (EPC)

DE ES GB IT

DOCDB simple family (publication)

WO 9014903 A1 19901213; DE 69004543 D1 19931216; DE 69004543 T2 19940616; EP 0432236 A1 19910619; EP 0432236 B1 19931110; ES 2045925 T3 19940116; FR 2648062 A1 19901214; FR 2648062 B1 19921030

DOCDB simple family (application)

FR 9000384 W 19900601; DE 69004543 T 19900601; EP 90908559 A 19900601; ES 90908559 T 19900601; FR 8907547 A 19890607