

Title (en)

METHOD AND APPARATUS FOR DETERMINING AND SETTING MATERIAL RELEASE MECHANISM TIMING FOR A MATERIAL FEED MECHANISM

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BESTIMMUNG UND EINSTELLUNG DES MATERIALFREIGABEMECHANISMUS-ZEITPUNKTS FÜR EINEN MATERIALZUFÜHRMECHANISMUS

Title (fr)

PROCEDE ET APPAREIL PERMETTANT DE DETERMINER ET D'ETABLIR LA SYNCHRONISATION D'UN MECANISME DE LIBERATION DE MATERIAU D'UN MECANISME D'INJECTION DE MATERIAU

Publication

EP 1349723 B1 20110126 (EN)

Application

EP 01988165 A 20011116

Priority

- US 0143698 W 20011116
- US 24914900 P 20001116

Abstract (en)

[origin: WO0245943A2] This invention includes a method of determining the correct timing of a material release mechanism (42) of a material feed mechanism (14) and includes the steps of: cycling a press mechanism (12) through a working portion of a tooling mechanism (17); monitoring the press mechanism (12) position; determining, by a location device (58), the desired timing for the material release mechanism (42) to release contact with material (18); and correlating the desired material release mechanism (42) timing to the press mechanism (12) position. The present invention also is a stamping system (10) for working the material (18). This stamping system (10) includes a press mechanism (12) having a tooling mechanism (17) configured to punch holes (66) in the material (18). The stamping system (10) also includes a material feed mechanism (14) to feed material (18) to the press mechanism (12), and this material feed mechanism (14) includes a material release mechanism (42). Finally, the stamping system (10) includes a location device (58) to monitor the press mechanism (12) position and determine desired material release mechanism (42) timing.

IPC 8 full level

B21D 43/06 (2006.01); **B21D 43/04** (2006.01); **B21D 43/09** (2006.01)

CPC (source: EP)

B21D 43/06 (2013.01); **B21D 43/09** (2013.01)

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

WO 0245943 A2 20020613; **WO 0245943 A3 20030403**; AU 4150002 A 20020618; CN 1268531 C 20060809; CN 1481330 A 20040310; DE 60143958 D1 20110310; EP 1349723 A2 20031008; EP 1349723 A4 20070103; EP 1349723 B1 20110126; JP 2004520934 A 20040715; JP 4511789 B2 20100728

DOCDB simple family (application)

US 0143698 W 20011116; AU 4150002 A 20011116; CN 01820775 A 20011116; DE 60143958 T 20011116; EP 01988165 A 20011116; JP 2002547704 A 20011116