

Title (en)

Method of drive controlling a transfer press for big pieces and apparatus for executing the process

Title (de)

Vefahren zur Steuerung des Antriebs einer Grossteilstufenpresse und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour la commande d' actionnement d'une presse de transfert pour grandes pièces et dispositif pour réaliser ce procédé

Publication

**EP 0972586 A3 20010117 (DE)**

Application

**EP 99111752 A 19990618**

Priority

DE 19831623 A 19980715

Abstract (en)

[origin: EP0972586A2] The press (1) has runner rails on which transverse beams with suction pads (2) are arranged to pick up and transport the metal parts directly or via carriages. A horizontal movement of the beams results via a mechanical curve (3) drive with pushing levers (4), coupled to the press drive. Vertical movement of the beams is caused by an electric drive (5). The mechanical horizontal movement of the beams is at the same time superimposed with a variably controlled vertical movement and a pivotal movement about the longitudinal axis of the beam, caused by an electronically programmable electric drive. The electronically controlled vertical and/or pivotal movement of the beam is dependent on the geometry of the workpiece in the press. Independent claims also cover a conversion apparatus for the press.

IPC 1-7

**B21D 43/05**

IPC 8 full level

**B21D 43/05** (2006.01)

CPC (source: EP)

**B21D 43/05** (2013.01)

Citation (search report)

- [X] EP 0671228 A2 19950913 - MUELLER WEINGARTEN MASCHF [DE]
- [A] EP 0689887 A1 19960103 - KOMATSU MFG CO LTD [JP]
- [AD] US 5388952 A 19950214 - HOFELE HANS [DE], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 013, no. 076 (M - 800) 21 February 1989 (1989-02-21)

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**EP 0972586 A2 20000119; EP 0972586 A3 20010117; EP 0972586 B1 20030820;** CN 1152757 C 20040609; CN 1252327 A 20000510; DE 19831623 A1 20000120; DE 59906648 D1 20030925; ES 2207075 T3 20040516

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