

Title (en)  
METHOD FOR MONITORING AND FOR CHANGING THE POSITION OF AT LEAST ONE MOVING CROSSHEAD OF A METAL PRESS, AND METAL PRESS

Title (de)  
VERFAHREN ZUR ÜBERWACHUNG UND LAGEVERSTELLUNG WENIGSTENS EINES LAUFHOLMS EINER METALLPRESSE SOWIE METALLPRESSE

Title (fr)  
PROCÉDÉ DE SURVEILLANCE ET DE MODIFICATION DE LA POSITION D'AU MOINS UN COULISSEAU D'UNE PRESSE MÉTALLIQUE, ET PRESSE MÉTALLIQUE

Publication  
**EP 4225514 B1 20240403 (DE)**

Application  
**EP 21790840 A 20211008**

Priority  
• DE 102020212829 A 20201012  
• EP 2021077879 W 20211008

Abstract (en)  
[origin: WO2022078901A1] The invention relates to a method for monitoring the position and changing the position of at least one component, more particularly a running bar (3), slidingly guided within a press frame (2) between abutments of the press frame (2). The method comprises continuously measuring a central alignment of the component within the press frame (2) and correcting the alignment of the component within the press frame (2) in accordance with the acquired measurement result by means of preferably automatically adjustable guide elements (10) of the sliding guides (6) of the press. The central alignment of the slidingly guided component within the press frame (2) is measured by the sensing of the location of at least one, preferably two reference points (7) of the slidingly guided component preferably in a plane extending perpendicularly to the longitudinal center axis (4) of the press. The invention also relates to a press having automatically adjustable guide elements (10) and means for controlling the guide elements (10) in accordance with the measured position of the component.

IPC 8 full level  
**B21C 31/00** (2006.01); **B21C 23/21** (2006.01); **B21C 51/00** (2006.01); **B21D 24/00** (2006.01); **B21J 7/46** (2006.01); **B21J 9/20** (2006.01); **B21J 13/04** (2006.01); **B30B 15/04** (2006.01)

CPC (source: EP US)  
**B21C 23/215** (2013.01 - EP US); **B21C 31/00** (2013.01 - EP US); **B21C 51/00** (2013.01 - EP US); **B21D 37/10** (2013.01 - EP); **B21J 7/46** (2013.01 - EP); **B21J 9/20** (2013.01 - EP US); **B21J 13/04** (2013.01 - EP); **B30B 15/007** (2013.01 - EP); **B30B 15/041** (2013.01 - EP)

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

DOCDB simple family (publication)  
**DE 102020212829 A1 20220414**; CN 116568419 A 20230808; EP 4225514 A1 20230816; EP 4225514 B1 20240403; JP 2023548760 A 20231121; US 2023372990 A1 20231123; WO 2022078901 A1 20220421

DOCDB simple family (application)  
**DE 102020212829 A 20201012**; CN 202180077908 A 20211008; EP 2021077879 W 20211008; EP 21790840 A 20211008; JP 2023521729 A 20211008; US 202118031043 A 20211008