

Title (en)  
Overload protection for a finger in a press

Title (de)  
Überlastungsschutz für Pressfinger

Title (fr)  
Protection contre les surcharges pour un doigt presseur

Publication  
**EP 1358952 B1 20080604 (EN)**

Application  
**EP 03076302 A 20030502**

Priority  
SE 0201331 A 20020503

Abstract (en)  
[origin: EP1358952A2] The invention relates to overload protection for a finger 2 in a press, and to a press provided with overload protection for a finger 2, which overload protection incorporates a finger holder 4, a first recess 6 in the finger 2, a second recess 8 and a spring-loaded ball 10. The finger 2 is arranged to slide in the finger holder 4 in the axial direction of the finger 2 so that the finger 2 is moved from its normal working position by a translation movement in the finger holder 4 in the axial direction of the finger 2 when the overload protection is actuated by the workpiece 1 which the finger 2 is intended to move having reached an incorrect position in the press whereby the finger 2 is subjected to a force acting in the axial direction A of the finger 2. The second recess 8 is arranged either in the finger holder 4 or in a beam in the press. <IMAGE>The invention relates to overload protection for a finger 2 in a press, and to a press provided with overload protection for a finger 2, which overload protection incorporates a finger holder 4, a first recess 6 in the finger 2, a second recess 8 and a spring-loaded ball 10. The finger 2 is arranged to slide in the finger holder 4 in the axial direction of the finger 2 so that the finger 2 is moved from its normal working position by a translation movement in the finger holder 4 in the axial direction of the finger 2 when the overload protection is actuated by the workpiece 1 which the finger 2 is intended to move having reached an incorrect position in the press whereby the finger 2 is subjected to a force acting in the axial direction A of the finger 2. The second recess 8 is arranged either in the finger holder 4 or in a beam in the press. <IMAGE>

IPC 8 full level  
**B21D 43/05** (2006.01); **B30B 15/30** (2006.01)

CPC (source: EP)  
**B21D 43/055** (2013.01); **B21D 55/00** (2013.01)

Cited by  
CN108214667A; KR102435694B1; FR2984195A1; CN111168624A; WO2011115269A1; US8915348B2; US9339861B2; JP2011194428A; JP5537650B2

Designated contracting state (EPC)  
DE ES GB IT

DOCDB simple family (publication)  
**EP 1358952 A2 20031105; EP 1358952 A3 20031126; EP 1358952 B1 20080604**; DE 60321420 D1 20080717; ES 2307868 T3 20081201; SE 0201331 D0 20020503; SE 0201331 L 20031028; SE 521409 C2 20031028

DOCDB simple family (application)  
**EP 03076302 A 20030502**; DE 60321420 T 20030502; ES 03076302 T 20030502; SE 0201331 A 20020503