

Title (en)

Safety device on forming machines

Title (de)

Sicherheitseinrichtung an Umformmaschinen

Title (fr)

Dispositif de sécurité sur des machines de formage

Publication

EP 2030772 A3 20120425 (DE)

Application

EP 08015429 A 20080901

Priority

DE 102007041704 A 20070903

Abstract (en)

[origin: EP2030772A2] The safety system (S1) for a shaping machine, e.g. a pneumatic press (P1), has an extension (7.1) at the press drive plunger (1) at a carrier body (7). The ram (4) has a swing coupling (8) more or less in the direction of the extension according to the stroke. If the plunger is blocked at the final movement stretch, the action radius (r0) of the coupling is insufficient and the plunger passes it by without a driving force. Without a blockage, the coupling action radius is large enough to transmit the driving force from the plunger to the ram to move through the final stretch.

IPC 8 full level

B30B 15/28 (2006.01); **B30B 1/16** (2006.01)

CPC (source: EP)

B30B 1/16 (2013.01); **B30B 15/285** (2013.01)

Citation (search report)

- [XAY] WO 9816371 A1 19980423 - TELEGAERTNER GERAETEBAU GMBH [DE], et al
- [YA] GB 2177957 A 19870204 - SCOVILL JAPAN
- [A] GB 1503228 A 19780308 - AMP INC

Cited by

CN112743010A; CN109962280A; CN108889885A; CN115157717A

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2030772 A2 20090304; **EP 2030772 A3 20120425**; DE 102007041704 A1 20090305

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