

Title (en)

OVERLOAD PROTECTION DEVICE IN PRESSES

Publication

**EP 0114170 B1 19861112 (DE)**

Application

**EP 83100561 A 19830122**

Priority

EP 83100561 A 19830122

Abstract (en)

[origin: ES8501670A1] An overload protection for presses in which the working stages are protected against overload by balance-like overload pressure-responsive devices to further protect the press balance-like adding pressure-responsive devices are also used whose operating point adjusted to the limit loads of the connecting rods is adjusted to a smaller value than the sum of all of the balance-like overload pressure-responsive devices the adding pressure-responsive devices are connected in parallel since the pressure space of each balance-like overload pressure-responsive device is connected to one pressure space each of each adding pressure-responsive device the cross sectional areas of the pistons of the balance-like adding pressure-responsive devices are calculated from the distance of the working stages to the actuating planes for the left adding pressure-responsive device, from the distance of the working stages to the right actuating plane whereas for the right adding pressure-responsive device, from the distance of the working stages to the left actuating plane. The pre-pressure in the pressure spaces is adjusted by way of pressure control devices supplied by pump aggregates.

IPC 1-7

**B30B 15/28**

IPC 8 full level

**B30B 15/28** (2006.01)

CPC (source: EP US)

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Cited by

DE102013210807A1; DE4036470A1; EP0485755A3; EP2813357A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 0114170 A1 19840801; EP 0114170 B1 19861112**; BR 8400228 A 19840828; DE 3367556 D1 19870102; ES 529029 A0 19841201; ES 8501670 A1 19841201; JP S59137199 A 19840807; US 4492154 A 19850108

DOCDB simple family (application)

**EP 83100561 A 19830122**; BR 8400228 A 19840119; DE 3367556 T 19830122; ES 529029 A 19840120; JP 742384 A 19840120; US 57230584 A 19840120