

Title (en)

OVERLOAD PROTECTION FOR MECHANICAL PRESS

Publication

EP 0485755 A3 19920930 (DE)

Application

EP 91117706 A 19911017

Priority

DE 4036470 A 19901115

Abstract (en)

[origin: EP0485755A2] An overload protection system for a mechanically driven press is proposed which utilises the maximum press force, i.e. the nominal press force, in the ram even with very irregular loading of the drive fittings, without the overload protection system becoming active beforehand. This occurs according to the invention in that a higher force acting on one drive fitting is compensated by a corresponding application of force on the other drive fitting. For this purpose, it is necessary to generate on the side of the press ram with a reduced effective force a corresponding additional force by the application of pressure. This additional force is generated by an additional, controllable pressure pad (22), the additional force generated being of such a size that the pressure-overloading valve is released when the maximum permissible nominal press force is exceeded. <IMAGE>

IPC 1-7

B30B 15/28

IPC 8 full level

B30B 15/28 (2006.01)

CPC (source: EP)

B30B 15/281 (2013.01); **B30B 15/284** (2013.01)

Citation (search report)

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- [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 393 (M-654)(2840) 23. Dezember 1987 & JP-A-62 161 500 (AIDA ENG. LTD.) 17. Juli 1987

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