

Title (en)
SUPPORT SYSTEM FOR BLANKING PRESS

Publication
EP 0245371 B2 19930421 (DE)

Application
EP 86906703 A 19861104

Priority
AT 329985 A 19851113

Abstract (en)
[origin: WO8702916A1] Support system for a blanking press for metals, consisting of an upper and lower section, with a hydraulic cylinder (11) supplying the support force, said cylinder being mounted on an annular body which can be inserted in the lower portion (B) of the blanking press and is penetrated by the hydraulic piston (12, 12) linked with part (4) of the support system and forms a stop (9') for the upper end bearing surface of the piston; the hydraulic cylinder (11) has a fluid inlet (15) with a magnetic valve (16) and a fluid outlet (17) with a non-return valve, which can be connected to a pressure vessel (21) and to a pump (20) by means of a common fluid line 19) in order to preset the supporting force.

IPC 1-7
B21D 28/16; **B21D 45/00**

IPC 8 full level
B21D 28/16 (2006.01); **B21D 45/00** (2006.01)

CPC (source: EP)
B21D 28/16 (2013.01); **B21D 45/003** (2013.01)

Citation (opposition)
Opponent :

- EP 0183648 A1 19860604 - FEINTOOL AG [CH]
- JP S5865526 A 19830419 - AMADA CO LTD, et al
- HAACK F. UND BIRZER F.: "Handbuch "Feinschneiden"", part 2 1977, FIRMA FEINTOOL, LYSS

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US9919353B2

Designated contracting state (EPC)
CH DE FR GB IT LI

DOCDB simple family (publication)
WO 8702916 A1 19870521; AT 384186 B 19871012; AT A329985 A 19870315; DE 3666366 D1 19891123; EP 0245371 A1 19871119; EP 0245371 B1 19891018; EP 0245371 B2 19930421

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