

Title (en)
PISTON PRESS

Publication
EP 0284903 A3 19890920 (DE)

Application
EP 88104222 A 19880317

Priority
• DE 3710289 A 19870401
• DE 3716220 A 19870514

Abstract (en)
[origin: EP0284903A2] A piston press (10) comprises a ram (17), which is connected to a piston (16) running in a cylinder (15). Compressed air can be admitted to the cylinder (15) via valves (42, 45). In order to be able to carry out pressing operations with a controlled displacement/time characteristic and to provide an operational piston press which does not require a high outlay in terms of installation, the ram (17) interacts with a displacement-measuring system (18). An output signal (s) of the displacement-measuring system (18) is compared with predetermined set point values (S0, S1, S2, S3) in a controller (37). The controller (37) controls electropneumatic servo valves (42, 45) for admitting pressure to the cylinder (15) according to a predetermined displacement/time characteristic (s(t)) (Fig.1). <IMAGE>

IPC 1-7
B30B 15/18; **B30B 15/26**

IPC 8 full level
B30B 15/18 (2006.01); **B30B 15/26** (2006.01)

CPC (source: EP)
B30B 15/18 (2013.01); **B30B 15/26** (2013.01)

Citation (search report)
• [XP] EP 0249559 A1 19871216 - BERTIN & CIE [FR]
• [X] EP 0025987 A1 19810401 - BECHE & GROHS GMBH [DE]
• [A] US 4164167 A 19790814 - IMAI ISAO [JP], et al
• [A] DE 3401203 C1 19850530 - HOESCH AG
• [A] DE 3230930 A1 19840223 - SCHIRMER PLATE UND SIEMPELKAMP [DE]

Cited by
EP0642918A1; EP0485843A1; EP0461184A4; EP0365317A1; US5100113A

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI LU NL

DOCDB simple family (publication)
EP 0284903 A2 19881005; **EP 0284903 A3 19890920**; **EP 0284903 B1 19930602**; DE 3716220 A1 19881020; DE 3881424 D1 19930708

DOCDB simple family (application)
EP 88104222 A 19880317; DE 3716220 A 19870514; DE 3881424 T 19880317