

Title (en)

CONTROL VALVE WITH INTEGRAL EXHAUST, IN PARTICULAR FOR RIVETING MACHINES

Publication

**EP 0259280 B1 19920325 (EN)**

Application

**EP 87830318 A 19870904**

Priority

IT 498586 U 19860905

Abstract (en)

[origin: EP0259280A2] The control valve disclosed comprises a hollow outer element (4), stopped at one end and fitted with a silencer (18) at the other and incorporating two air inlet ducts, one normally open, one for control, and two outlet ducts, also, an inner element (7) with an axial bore capable of fluid-tight movement within the outer element, and a piston (15) likewise mobile and fluid-tight internally of the inner element; air supplied to the control inlet causes the piston (15) and the inner element (7) to shift from an at-rest position, toward which they are biased by a spring (14) so that air exhausts by way of the one outlet, into an operative position in which the air exhausts by way of the other outlet.

IPC 1-7

**B21J 15/06**; **B21J 15/22**

IPC 8 full level

**B21J 15/06** (2006.01); **B21J 15/22** (2006.01)

CPC (source: EP)

**B21J 15/105** (2013.01); **B21J 15/22** (2013.01)

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR LI LU NL SE

DOCDB simple family (publication)

**EP 0259280 A2 19880309**; **EP 0259280 A3 19890927**; **EP 0259280 B1 19920325**; AT E74033 T1 19920415; DE 3777728 D1 19920430; ES 2029852 T3 19921001; IT 208712 Z2 19880528

DOCDB simple family (application)

**EP 87830318 A 19870904**; AT 87830318 T 19870904; DE 3777728 T 19870904; ES 87830318 T 19870904; IT 498586 U 19860905