

Title (en)  
Piston-cylinder assembly with a valve

Title (de)  
Kolben-Zylinder-Einheit mit einem Ventil

Title (fr)  
Unité piston-cylindre avec une soupape

Publication  
**EP 0732512 A3 19980722 (DE)**

Application  
**EP 96250033 A 19960207**

Priority  
DE 19506882 A 19950217

Abstract (en)  
[origin: EP0732512A2] The piston-cylinder unit has a valve connected to at least one cylindrical cavity. The valve casing (1a), which carries an electromagnet (3), forms a unit casing (5) with at least one cylindrical tube (4). The valve seat (6) and piston endface (7) are connected to each other by a common cavity (8). The casing may be manufactured in one piece. The cylindrical tube has its longitudinal axis (4a) perpendicular to, or in the same direction as the operating device (9) of an electromagnetic valve (10). It may be possible to alter the ID of the cylindrical tube by means of tube pieces (11).

IPC 1-7  
**F15B 15/20**

IPC 8 full level  
**F15B 13/04** (2006.01); **F15B 13/044** (2006.01); **F15B 15/14** (2006.01); **F15B 15/20** (2006.01)

CPC (source: EP)  
**F15B 13/0405** (2013.01); **F15B 13/044** (2013.01); **F15B 15/1433** (2013.01); **F15B 15/202** (2013.01)

Citation (search report)

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- [A] DE 2451999 B2 19801030
- [A] DE 2610876 A1 19761230 - KONDO MFG
- [A] "Integral linear hydraulic actuator provides more thrust from a smaller unit", DESIGN ENGINEERING, December 1990 (1990-12-01), LONDON, pages 21, XP000223276

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FR GB IT

DOCDB simple family (publication)  
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