

Title (en)

Press-block coupling for fluid circuits

Title (de)

Spannblockkupplung für Druckmittelschaltkreise

Title (fr)

Accouplement à bloque de serrage pour les circuits fluidiques

Publication

**EP 1074749 A3 20021002 (EN)**

Application

**EP 00116843 A 20000804**

Priority

IT TO990698 A 19990806

Abstract (en)

[origin: EP1074749A2] A press-block coupling for fluid circuits, comprising: a base body (12) provided with a first opening (16), designed to be connected to a branch of a fluid circuit, and with a second opening (20), designed to establish a fluid connection with a corresponding opening of a complementary coupling; and at least one main valve element (26) which can slide in the base body (12) and co-operates with a valve seat (24) designed to activate or interrupt fluid connection between the first opening (16) and the second opening (20). The press-block coupling comprises an auxiliary valve element (58) with mechanical opening, set in such a way that, in use, following upon mechanical opening of the auxiliary valve element (58), a variation in pressure is produced in said main chamber (18) such as to bring about opening of the main valve element (26) under the action of the pressure of the fluid. <IMAGE>

IPC 1-7

**F15B 13/00**; **F16L 29/00**

IPC 8 full level

**F15B 13/00** (2006.01); **F15B 13/08** (2006.01)

CPC (source: EP)

**F15B 13/0807** (2013.01)

Citation (search report)

- [X] US 3910312 A 19751007 - WEINHOLD KARL
- [XY] US 4673162 A 19870616 - LACHMANN HELMUT [DE]
- [AY] US 4552330 A 19851112 - GROTLOH KARL H [CH]
- [A] US 4094228 A 19780613 - SCHEXNAYDER LAWRENCE F
- [A] US 5379798 A 19950110 - SYLJESET JAN E [NO], et al

Cited by

GB2384327B; EP1529964A1; DE102010016490A1; DE102010016490B4

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 1074749 A2 20010207**; **EP 1074749 A3 20021002**; **EP 1074749 B1 20040414**; DE 60009809 D1 20040519; DE 60009809 T2 20050331; IT 1310675 B1 20020219; IT TO990698 A0 19990806; IT TO990698 A1 20010206

DOCDB simple family (application)

**EP 00116843 A 20000804**; DE 60009809 T 20000804; IT TO990698 A 19990806