

Title (en)

VALVE FOR THE CONTROL OF FLUIDS

Title (de)

VENTIL ZUM STEUERN VON FLÜSSIGKEITEN

Title (fr)

SOUPAPE PERMETTANT DE COMMANDER LE PASSAGE DE LIQUIDES

Publication

EP 1454057 A1 20040908 (DE)

Application

EP 02781154 A 20021107

Priority

- DE 0204119 W 20021107
- DE 10155413 A 20011110

Abstract (en)

[origin: WO03042531A1] The invention relates to a valve for the control of fluids, comprising several components (2, 3, 4, 5), arranged serially in the axial direction (X-X) of the valve. An external thread (9) is embodied on at least one of the components which engages with an internal thread on a tensioning nut (6). The tensioning nut (6) serves to pre-tension the components of the valve. A sealing element (8, 11, 17) is arranged between the internal thread (10) of the tensioning nut (6) and the external thread (9) of the component (2).

IPC 1-7

F02M 61/16

IPC 8 full level

F02M 61/16 (2006.01); **F02M 47/02** (2006.01); **F02M 63/00** (2006.01)

CPC (source: EP KR US)

F02M 61/16 (2013.01 - EP KR US); **F02M 61/168** (2013.01 - EP US); **F02M 47/027** (2013.01 - EP US); **F02M 63/0026** (2013.01 - EP US);
F02M 2200/16 (2013.01 - EP US); **F02M 2200/8076** (2013.01 - EP US)

Citation (search report)

See references of WO 03042531A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03042531 A1 20030522; CN 100453799 C 20090121; CN 1671962 A 20050921; DE 10155413 A1 20030522; DE 50204423 D1 20051103;
EP 1454057 A1 20040908; EP 1454057 B1 20050928; ES 2247390 T3 20060301; JP 2005509781 A 20050414; JP 4348185 B2 20091021;
KR 100935093 B1 20100106; KR 2004060971 A 20040706; US 2004046059 A1 20040311; US 6929247 B2 20050816

DOCDB simple family (application)

DE 0204119 W 20021107; CN 02806313 A 20021107; DE 10155413 A 20011110; DE 50204423 T 20021107; EP 02781154 A 20021107;
ES 02781154 T 20021107; JP 2003544331 A 20021107; KR 20047006843 A 20021107; US 25077503 A 20030709