

Title (en)

AN IMPROVED THREE-WAY VALVE

Publication

EP 0447851 A3 19920513 (EN)

Application

EP 91102985 A 19910228

Priority

IT 1961590 A 19900308

Abstract (en)

[origin: EP0447851A2] A three-way valve for use with boilers adapted to supply both heating hot water and domestic hot water, comprising an upper portion (20) and a lower portion (30) coupled together through a threaded section (33) and sealing members (35A, 35B) so as to allow for a relative rotation thereof. The upper portion (20) comprises an output duct (4) in communication with a heat exchanger (11), and an axially movable stem (16) carrying at one end thereof a double plug (17) and at the other end an assembly made up by a rigid dividing wall (7) and a flexible diaphragm (6), with a helical spring (19) axially acting on said stem (16), whereas the lower portion (30) comprises a chamber (13) in communication with two output ducts (2, 3) and within which the double plug (17) is movable. The valve can further comprise a combined device performing both the flow control function (in case of lack of water in the plant) and that of automatic bypass in case of excessive loss of pressure in the plant. <IMAGE>

IPC 1-7

F16K 11/22

IPC 8 full level

F24D 19/10 (2006.01)

CPC (source: EP US)

F24D 19/1066 (2013.01 - EP US)

Citation (search report)

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- [Y] US 3582229 A 19710601 - FELLEBERG JOST EDUARD VON
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- [A] GB 1423119 A 19760128 - RYDBERGS
- [A] DE 2847804 A1 19800207 - SABCO LTD

Cited by

GB2388888B; EP0791772A3; EP0945687A1; EP0987499A3; EP3428546A1

Designated contracting state (EPC)

ES GB NL

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