

Title (en)

Valve arrangement for a back flow preventer

Title (de)

Ventilanordnung für einen Rohrtrenner

Title (fr)

Arrangement de soupapes pour un disjoncteur hydraulique

Publication

EP 1452652 B1 20080521 (DE)

Application

EP 04003460 A 20040217

Priority

DE 10308838 A 20030227

Abstract (en)

[origin: EP1452652A2] The disconnecter has upstream and downstream backflow preventers (30,44) combined with a relief valve (18) to form a structural unit. The relief valve has a slide valve with an upstream end face exposed to water pressure from inlet port unit. A downstream end face is exposed to pressure in space between the preventers. The slide valve covers a lateral outlet opening/drain passage of disconnecter casing, in its closed position. The slide valve body is moving in a flow passage between open and closed positions under the action of a pressure difference between the inlet and a space. The body covers a drain passage in its closed position.

IPC 8 full level

E03B 7/07 (2006.01); **E03C 1/10** (2006.01); **F24H 9/12** (2006.01)

CPC (source: EP)

E03B 7/077 (2013.01); **E03C 1/106** (2013.01); **E03C 1/108** (2013.01); **F24D 3/10** (2013.01); **F24D 3/1083** (2013.01); **F24H 9/136** (2022.01)

Cited by

CN103410206A; CN106436853A; EP1950354A3; EP2522890A1; EP2778560A1; US9909294B2; WO2013135350A1

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EP 1452652 A2 20040901; **EP 1452652 A3 20060426**; **EP 1452652 B1 20080521**; AT E396309 T1 20080615; DE 10308838 A1 20040909; DE 502004007184 D1 20080703

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