Title (en)

GATE VALVE

Title (de)

HÚBVENTIL

Title (fr)

ROBINET-VANNE

Publication

EP 4240994 A1 20230913 (DE)

Application

EP 21802329 A 20211101

Priority

- DE 102020006723 A 20201103
- EP 2021080263 W 20211101

Abstract (en)

[origin: WO2022096414A1] The invention relates to a gate valve (1; 101; 201) with: a housing (2; 102; 202); a first port (3; 103; 203); a second port (4; 104; 204); a passage (5; 105; 205) provided between the ports (3, 4; 103, 104; 203, 204); a valve seat (6; 106; 206) formed at the passage (5; 105; 205); a closing element (7; 107; 207), which has a closure member (8; 108; 208), which can be brought into sealing contact with the valve seat (6; 106; 206), and a valve stem (9; 109; 209); and a seal (17; 117; 217), which cooperates with a seat. In order to improve the cleanability of the seal (17; 117; 217) it is proposed that the seat comprises a closed position seat (23; 123; 223) which is mounted on a component (22; 122; 222) which is displaceable relative to the valve stem (9; 109; 209).

IPC 8 full level

F16K 1/44 (2006.01)

CPC (source: EP US)

F16K 1/446 (2013.01 - EP US)

Designated contracting state (EPC)

ÂL AT BE BG CH CY CŻ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2022096414 A1 20220512; EP 4240994 A1 20230913; US 2024011568 A1 20240111

DOCDB simple family (application)

EP 2021080263 W 20211101; EP 21802329 A 20211101; US 202118035196 A 20211101