

Title (en)
FLUID VALVE SYSTEMS

Title (de)
FLUIDVENTILSYSTEME

Title (fr)
SYSTÈMES DE VANNE DE FLUIDE

Publication
EP 3794184 A4 20220223 (EN)

Application
EP 19803334 A 20190520

Priority

- GB 201808145 A 20180518
- GB 201808147 A 20180518
- GB 201808142 A 20180518
- US 2019033137 W 20190520

Abstract (en)
[origin: WO2019222744A1] Embodiments include an assembly including a fluid valve assembly including an outlet, and a filling tube adjacent to the fluid valve assembly, where the filling tube includes an inlet aperture at least partially axially aligned with the outlet. An outlet aperture is positioned at a specific distance from the inlet aperture forming a space or air gap between the inlet aperture and the outlet aperture. A moveable float is configured and arranged to control a sealing member of the fluid valve based at least in part on the position of the moveable float relative to the outlet.

IPC 8 full level
E03D 1/33 (2006.01); **E03C 1/10** (2006.01); **E03D 1/32** (2006.01); **E03D 1/14** (2006.01)

CPC (source: EP)
E03C 1/102 (2013.01); **E03D 1/32** (2013.01); **E03D 1/33** (2013.01); **E03D 1/142** (2013.01); **E03D 2201/20** (2013.01)

Citation (search report)

- [XY] US 3386459 A 19680604 - PARKISON RICHARD G, et al
- [X] US 2382500 A 19450814 - OWENS JESSE C
- [X] US 3994313 A 19761130 - BRANDELLI ANTHONY R
- [X] US 2581043 A 19520101 - OWENS JESSE C
- [Y] US 2642081 A 19530616 - WINGER STOVER C
- [Y] US 9062443 B2 20150623 - LI FEIYU [CN], et al
- [Y] GB 1467203 A 19770316 - ROST SOEHNE G
- See also references of WO 2019222744A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ 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

DOCDB simple family (publication)
WO 2019222744 A1 20191121; EP 3794184 A1 20210324; EP 3794184 A4 20220223

DOCDB simple family (application)
US 2019033137 W 20190520; EP 19803334 A 20190520