

Title (en)
Tight shutoff butterfly valve.

Title (de)
Dichte Absperrklappe.

Title (fr)
Vanne papillon étanche.

Publication
EP 0000098 A1 19781220 (EN)

Application
EP 78300029 A 19780609

Priority
US 80567177 A 19770613

Abstract (en)
A butterfly valve assembly to be installed between pipeline flanges and secured by flange bolts is disclosed. A cylindrical valve body ring (10), having a cylindrical bore (24) and a face portion at each end, has a resilient elastomer (12) lining which covers the bore and extends over a portion of the faces. A disk (14) is attached to a shaft (16) which extends through the body ring and liner transverse to the axis of the body ring. The valve assembly has at least one face plate (30) with an opening which circumscribes the portion of the liner extending over the face of the body ring.

IPC 1-7
F16K 27/02

IPC 8 full level
F16K 27/02 (2006.01); **F16K 1/22** (2006.01)

CPC (source: EP US)
F16K 27/0218 (2013.01 - EP US); **Y10T 137/7036** (2015.04 - EP US)

Citation (search report)
• [A] FR 2291425 A1 19760611 - WORCESTER CONTROLS CORP [US]
• [A] FR 2103327 A5 19720407 - SCHNABEL ERNST
• [A] DE 1290395 B 19690306 - MOSITES GEORGE ALVIN

Cited by
EP0270727A3; DE10310212A1; FR2605380A1; CN103228965A; DE102019127890B3; EP2213916A4; DE4217448C2; US8469336B2; US9140381B2; WO2012038351A1

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EP 0000098 A1 19781220; EP 0000098 B1 19810211; AU 3703078 A 19791220; AU 517617 B2 19810813; BR 7803738 A 19790116; CA 1076540 A 19800429; DE 2860459 D1 19810326; ES 470605 A1 19790201; IT 1095166 B 19850810; IT 7824471 A0 19780612; JP S5442030 A 19790403; JP S6123429 B2 19860605; MX 146764 A 19820811; US 4148458 A 19790410

DOCDB simple family (application)
EP 78300029 A 19780609; AU 3703078 A 19780612; BR 7803738 A 19780612; CA 305210 A 19780612; DE 2860459 T 19780609; ES 470605 A 19780608; IT 2447178 A 19780612; JP 7070778 A 19780612; MX 17378278 A 19780612; US 80567177 A 19770613