

Title (en)

PRESSURE RELIEF VALVE HAVING A NOVEL POPPET SEAL.

Title (de)

ÜBERDRUCKVENTIL MIT EINER NEUEN DICHTUNG FÜR DAS ABSPERRORGAN.

Title (fr)

SOUPAPE D'ABAISSEMENT DE LA PRESSION AYANT UN NOUVEAU JOINT D'ETANCHEITE SOULEVANT.

Publication

EP 0246271 A4 19880215 (EN)

Application

EP 86906543 A 19861002

Priority

US 78416185 A 19851004

Abstract (en)

[origin: WO8702113A1] A proportioning relief valve (2) incorporating two novel poppet seal constructions (22, 32). Incorporation of metal reinforced fluorocarbon in a novel U-shaped construction (22) provides a pressure actuated poppet-seat seal. Pressure actuation is maintained for "cracking" and full relief positions of the poppet (16), thereby retaining seal/groove integrity. An alternate deformable poppet seal (32) utilizes a laminated multiple disc construction (38) bonded to both seal groove (36) and poppet (34).

IPC 1-7

F16K 17/02; **F16K 51/00**

IPC 8 full level

F16K 1/46 (2006.01); **F16K 17/04** (2006.01)

CPC (source: EP)

F16K 1/46 (2013.01); **F16K 17/0426** (2013.01)

Citation (search report)

- [A] US 3200839 A 19650817 - GALLAGHER BERNARD J
- [A] FR 1214285 A 19600407 - SEETRU LTD
- [A] FR 2410773 A1 19790629 - NEMETZ JOSEF [DE]
- See references of WO 8702113A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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