

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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DOCDB simple family (application)

**US 8602069 W 19861002**; EP 86906543 A 19861002; JP 50545586 A 19861002