

Title (en)
VALVE STEM SEALS

Publication
EP 0136057 A3 19860416 (EN)

Application
EP 84305683 A 19840821

Priority
GB 8323418 A 19830901

Abstract (en)
[origin: EP0136057A2] A valve stem seal comprises an elastomeric moulding adapted to lip seal against a valve stem and, at its lip sealing region, is helically ribbed on its stem-adjacent surface to define lubricant control passages. The elastomeric moulding also provides downstream of its lip seal, in terms of lubricant flow, a control collar adapted to contact the valve stem to provide both a compensation for lateral loading of the valve stem resulting from rocker action and a secondary seal. The control collar may be integral with the elastomeric moulding but it is preferred that it be constituted by a plastics ring, preferably but not exclusively formed of PTFE, held within the elastomeric moulding in non-bonded relationship.

IPC 1-7
F01L 3/08

IPC 8 full level
F01L 3/08 (2006.01)

CPC (source: EP)
F01L 3/08 (2013.01)

Citation (search report)
• [Y] GB 2049071 A 19801217 - SUPERTEX SPA
• [Y] EP 0112959 A2 19840711 - FREUDENBERG CARL FA [DE]
• [A] US 1078586 A 19131111 - KNAUFF GEORGE C [US]

Cited by
EP2730757A4; US7299779B2; DE19945348A1; DE19945348C2; FR2621954A1; EP1854965A1; US6764079B1

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
EP 0136057 A2 19850403; EP 0136057 A3 19860416; GB 2145771 A 19850403; GB 2145771 B 19870624; GB 8323418 D0 19831005; GB 8421222 D0 19840926

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