

Title (en)
Valve seal

Title (de)
Ventilschaftabdichtung

Title (fr)
Joint de queue de soupape

Publication
EP 1092841 A1 20010418 (DE)

Application
EP 00115709 A 20000721

Priority
DE 19949248 A 19991013

Abstract (en)
The valve shaft seal has an elastomer sealing element (2) with spring-loaded sealing lip and reinforcement ring. The sealing element is positioned against the end face (6) of the valve shaft guide (5) and preferably has an axial ring face (7) for bearing against same. the reinforcement ring seen in longitudinal section has an angular or S-shape with the inwardly aligned arm (12) lying at the transition to the sealing lip and enclosed by the elastomer material.

Abstract (de)
Ventilschaftabdichtung an Verbrennungskraftmaschinen für Fahrzeuge mit auf die Ventilschaftfführung aufgesetzten und daran positionierten elastomerem Dichtelement mit am Ventilschaft anliegender federbelasteter Dichtlippe und einem das Dichtelement einfassenden Versteifungsring, wobei die Positionierung des Dichtelements (2) an der Stirnfläche (6) der Ventilschaftfführung (5) erfolgt. <IMAGE>

IPC 1-7
F01L 3/08

IPC 8 full level
F01L 3/08 (2006.01)

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

Citation (applicant)
• DE 19709170 A1 19980924 - CR ELASTOMERE GMBH [DE]
• EP 0645524 A1 19950329 - FREUDENBERG CARL FA [DE]

Citation (search report)
• [Y] US 5553869 A 19960910 - STAMBACK MARK A [US]
• [YD] EP 0645524 A1 19950329 - FREUDENBERG CARL FA [DE]
• [X] US 4773363 A 19880927 - STRITZKE BERNARD G [US]
• [A] US 4834037 A 19890530 - LAFEVER EDWARD E [US]
• [X] PATENT ABSTRACTS OF JAPAN vol. 004, no. 143 (M - 035) 8 October 1980 (1980-10-08)

Cited by
EP1854965A1; EP1857645A3

Designated contracting state (EPC)
DE FR IT

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