

Title (en)

Seal for a rod sliding against the action of elastic means, in particular an internal combustion engine valve stem.

Title (de)

Dichtung für eine gegen Federkraft gleitende Stange, insbesondere für einen Ventilschaft einer Brennkraftmaschine.

Title (fr)

Étanchéité de tige se déplaçant contre l'action de moyens élastiques, en particulier pour tige de soupape de moteur à combustion interne.

Publication

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Application

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Priority

IT TO920106 U 19920414

Abstract (en)

A seal (1) for a rod (2) sliding against the action of elastic means (22), in particular the stem (2) of an internal combustion engine valve (3); the seal (1) presenting a sleeve-shaped elastomeric element (5) consisting of a sealing portion (6) cooperating with the stem (2), and an assembly portion (7); and a stiffener (12) formed integral with the assembly portion (7); the stiffener (12) presenting a portion (21) for supporting and centering the elastic means (22) and extending radially and axially outwards of the elastomeric element (5) and on the opposite side in relation to the sealing portion (6). <IMAGE> <IMAGE>

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F01L 3/08

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CPC (source: EP)

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Citation (search report)

- [A] GB 2210956 A 19890621 - DANA CORP [US]
- [A] FR 1375628 A 19641016 - GOETZEWERKE
- [A] EP 0459022 A1 19911204 - GOETZE AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 9, no. 29 (M-356)(1752) 7 February 1985 & JP-A-59 173 510 (HONDA GIKEN KOGYO KK) 1 October 1984

Cited by

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