

Title (en)

Hybrid valve stem seal retainer assembly

Title (de)

Hybride Halterungsanordnung einer Ventilschaftdichtung

Title (fr)

Ensemble hybride de retenue de joint de tige de soupape

Publication

**EP 2626524 B1 20171004 (EN)**

Application

**EP 13154493 A 20130207**

Priority

US 201261596297 P 20120208

Abstract (en)

[origin: EP2626524A1] A valve stem seal assembly has a metal retainer, an elastomeric seal, and a metal valve guide. The metal retainer and the elastomeric seal are attached to each other, and the elastomeric seal is in sealable contact with the metal valve guide, while the metal retainer is in metal-to-metal gripping contact with the metal valve guide. A stop may be formed in the metal retainer that cooperates with a shoulder formed in the metal valve guide in order to prevent over-installation of the assembly of the elastomeric seal with attached metal retainer, when this assembly is installed over the metal valve guide.

IPC 8 full level

**F01L 3/08** (2006.01); **F16J 15/32** (2016.01)

CPC (source: EP)

**F01L 3/08** (2013.01)

Citation (examination)

US 2009145393 A1 20090611 - SAKATA DAVID [US]

Cited by

US11608760B2; US9956645B2; WO2017034619A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

**EP 13154493 A 20130207**; CN 201310129924 A 20130208