

Title (en)
INSERT AND INTERNAL COMBUSTION ENGINE COMPRISING INSERT

Title (de)
EINLAGE UND VERBRENNUNGSMOTOR MIT EINLAGE

Title (fr)
INSERT ET MOTEUR À COMBUSTION INTERNE AVEC INSERT

Publication
EP 2898208 A1 20150729 (DE)

Application
EP 13736763 A 20130628

Priority
• DE 102012013379 A 20120704
• EP 2013001910 W 20130628

Abstract (en)
[origin: WO2014005687A1] Disclosed is an insert (31) that can be positioned in a gap (29) between a first front face (25) of a cylinder liner (3), said face facing a cylinder head (9), and a second front face (27) of the cylinder head (9), said face facing the cylinder liner (3). The insert (31) is characterised in that it comprises at least one compressible material.

IPC 8 full level
F02F 1/16 (2006.01); **F02F 1/00** (2006.01); **F02F 11/00** (2006.01)

CPC (source: CN EP US)
F02F 1/166 (2013.01 - CN EP US); **F02F 11/002** (2013.01 - CN EP US); **F02F 11/005** (2013.01 - US); **F16J 15/0887** (2013.01 - US); **B22D 19/0009** (2013.01 - EP US); **F02F 1/004** (2013.01 - CN EP US); **F02F 1/16** (2013.01 - US); **F02F 1/20** (2013.01 - US); **F05C 2201/021** (2013.01 - US)

Citation (search report)
See references of WO 2014005687A1

Citation (examination)
• DE 1122766 B 19620125 - GOETZEWERKE
• CH 475474 A 19690715 - SULZER AG [CH]
• DE 102005003931 A1 20060803 - AUDI AG [DE]
• DE 1783011 U 19590212 - DAIMLER BENZ AG [DE]
• US 2003080517 A1 20030501 - REISEL ROBERT [US], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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US 10316971 B2 20190611; US 2015144089 A1 20150528; WO 2014005687 A1 20140109

DOCDB simple family (application)
DE 102012013379 A 20120704; CN 201380035859 A 20130628; EP 13736763 A 20130628; EP 2013001910 W 20130628;
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