

Title (en)
Gas pump with a sealing oil groove

Title (de)
Gaspumpe mit abdichtender Ölnut

Title (fr)
Pompe à gaz dotée d'une rainure à huile d'étanchéification

Publication
EP 2743506 B1 20180404 (DE)

Application
EP 13196532 A 20131210

Priority
DE 102012222753 A 20121211

Abstract (en)
[origin: EP2743506A2] The gas pump (10) has housing (1,2) with sealing surfaces (6,7), a delivery chamber (3) with an inlet (4) and an outlet (5) for gas and delivery devices (11,12) that are moved within the delivery chamber for delivering gas. The housings are joined to each other such that delivery chamber is partially enclosed over circumference of the chamber and the sealing surfaces abut each other in order to seal off delivery chamber. A sealing recess (9) extends in the sealing surfaces around the delivery chamber and is filled with sealing liquid when gas pump is in operation. An independent claim is included for a vehicle.

IPC 8 full level
F04C 23/00 (2006.01); **F04C 18/344** (2006.01); **F04C 27/02** (2006.01)

CPC (source: EP US)
F04C 2/356 (2013.01 - US); **F04C 18/3442** (2013.01 - EP US); **F04C 23/001** (2013.01 - EP US); **F04C 27/02** (2013.01 - EP US); **F04C 29/025** (2013.01 - US); **F01C 21/10** (2013.01 - EP US); **F04C 2/3442** (2013.01 - EP US); **F04C 25/02** (2013.01 - EP US)

Cited by
EP3421802A1; EP3103960A1; EP3483390A1; CN110005587A; US10927840B2; US10544784B2; EP2754896B1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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