

Title (en)
High pressure fuel pump assembly

Title (de)
Hochdruckkraftstoffpumpenanordnung

Title (fr)
Ensemble de pompe à carburant haute pression

Publication
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Application
EP 12165506 A 20120425

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Abstract (en)
[origin: EP2657505A1] The present invention relates to a high pressure fuel pump assembly (1) for an internal combustion engine. A follower roller (39) is provided for engaging a cam (41) provided on a rotatable driveshaft (43). A shoe (19), which is guided in a shoe guide (21) having a guide face (55), cooperates with the follower roller (39) for reciprocating a fuel pump plunger (3). The shoe (19) has an upper side (25) and a lower side (27); a part cylindrical recess (37) being formed on the lower side (27) for cooperating with the follower roller (39). At least one aperture (57, 59; 59'; 59", 61; 63) is provided in the shoe guide (21) and/or the shoe (19) to form at least one fluid pathway for maintaining fluid communication between the upper and lower sides (25, 27) of the shoe (19). The present invention also relates to a shoe (19) and a shoe guide (21).

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Cited by
CN106150806A; GB2551203A; GB2551203B; FR3052819A1; RU2746697C2; EP3318746A1; EP2915994A1; GB2543500A; GB2568674A; GB2543500B; GB2568674B; WO2016150650A1; WO2015132052A1; WO2017211480A1; WO2017029295A1; WO2017194622A1; WO2017216321A1; US10174733B2; EP3191711B1

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