Title (en)

Pump, in particular for a fuel injection system of an internal combustion engine

Title (de)

Pumpe, insbesondere für eine Kraftstoffeinspritzeinrichtung für eine Brennkraftmaschine

Title (fr)

Pompe, en particulier pour un dispositif d'injection de carburant d'un moteur à combustion interne

Publication

EP 1338791 B1 20060118 (DE)

Application

EP 03001986 A 20030131

Priority

DE 10207043 A 20020220

Abstract (en)

[origin: EP1338791A2] The bore (40) includes an annular groove (42). An insert (56) is pressed into the cap (48, 49, 50) from the outside of the casing (10). Its strength exceeds that of the cap, which is caused to deform plastically into the groove.

IPC 8 full level

F02M 59/44 (2006.01); **F02M 59/06** (2006.01); **F02M 59/48** (2006.01); **F04B 1/04** (2006.01); **F04B 39/12** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)

F02M 59/06 (2013.01); **F02M 59/44** (2013.01); **F02M 59/48** (2013.01); **F04B 1/0404** (2013.01); **F04B 53/16** (2013.01)

Cited by

WO2008113623A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 1338791 A2 20030827; **EP 1338791 A3 20041201**; **EP 1338791 B1 20060118**; DE 10207043 A1 20030821; DE 50302210 D1 20060406; JP 2003254192 A 20030910; JP 4195315 B2 20081210

DOCDB simple family (application)

EP 03001986 A 20030131; DE 10207043 A 20020220; DE 50302210 T 20030131; JP 2003041364 A 20030219