

Title (en)
Fuel pump

Title (de)
Kraftstoffpumpe

Title (fr)
Pompe à carburant

Publication
EP 1355059 A3 20050615 (EN)

Application
EP 03009049 A 20030417

Priority
JP 2002118424 A 20020419

Abstract (en)
[origin: EP1355059A2] In a fuel pump (4), two independent seal members (44,45) are disposed to seal a clearance between an inner surface (411a) of a cylinder (411) and an outer surface (412a) of a plunger (412). At least a sliding portion of the seal member (45) with the plunger (412), being closer to a pressure chamber (413) among two seal members (44,45), is made of abrasion resistance material. <IMAGE>

IPC 1-7
F02M 59/44; **F02M 59/02**

IPC 8 full level
F02M 59/36 (2006.01); **F02M 59/44** (2006.01); **F02M 63/02** (2006.01); **F04B 53/04** (2006.01); **F04B 53/16** (2006.01)

CPC (source: EP)
F02M 59/366 (2013.01); **F02M 59/442** (2013.01); **F02M 63/0225** (2013.01); **F04B 53/04** (2013.01); **F04B 53/164** (2013.01)

Citation (search report)
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• [YA] US 3958903 A 19760525 - CAPELLI RAYMOND A
• [Y] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 16 8 May 2001 (2001-05-08)
• [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 06 22 September 2000 (2000-09-22)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 385 (M - 1448) 20 July 1993 (1993-07-20)
• [A] PATENT ABSTRACTS OF JAPAN vol. 017, no. 217 (M - 1403) 28 April 1993 (1993-04-28)

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