

Title (en)  
Fuel pump

Title (de)  
Kraftstoffpumpe

Title (fr)  
Pompe à carburant

Publication  
**EP 1223334 A2 20020717 (EN)**

Application  
**EP 02250126 A 20020109**

Priority  
GB 0100667 A 20010110

Abstract (en)  
A fuel pump for use in an engine comprises a pump housing (10) and a plunger member (30) which is reciprocable within a plunger bore (32) provided in the pump housing (10) under the influence of a cam drive arrangement (20, 36, 38) so as to cause pressurisation of fuel within a pumping chamber (34). The cam drive arrangement includes a reciprocable shoe (36) and a roller member (38) and is driven, in use, by means of an associated drive shaft (18). The roller member (38) is located radially inward of the shoe (36) and is cooperable with a cam surface (20a) of the cam drive arrangement so as to impart reciprocable movement to the shoe (36) upon rotation of the drive shaft (18). The pump also includes a tubular member (26) which is secured to the pump housing (10) and arranged such that it is substantially coaxial with the drive shaft (18), the tubular member (26) being further arranged such that it guides reciprocal movement of the shoe (36), in use. <IMAGE>

IPC 1-7  
**F02M 37/06**

IPC 8 full level  
**F02M 37/06** (2006.01); **F04B 1/04** (2006.01); **F04B 1/053** (2006.01); **F04B 53/16** (2006.01); **F04B 53/22** (2006.01)

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Cited by  
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