

Title (en)  
Fuel pump assembly

Title (de)  
Kraftstoffeinspritzpumpevorrichtung

Title (fr)  
Système de pompe à carburant

Publication  
**EP 1767772 B1 20090812 (EN)**

Application  
**EP 06254515 A 20060830**

Priority  
GB 0519680 A 20050927

Abstract (en)  
[origin: EP1767772A1] A fuel pump assembly for use in an engine comprising a pumping plunger (14) which is reciprocable, in use, under the influence of an associated drive arrangement (24, 26) so as to cause pressurisation of fuel within a pumping chamber (22). The drive arrangement includes a shoe (24) and a roller (26) which is cooperable with a driven cam (28) so as to impart reciprocal movement to the shoe (24) as the cam (28) is driven, in use. The roller (26) has a first surface area region (54) having a first surface roughness and a second surface area region (52) having a second surface roughness higher than the first surface roughness and in that static friction between the roller (26) and the cam (28) is larger than static friction between the roller (26) and the shoe (24).

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
DE102008008438A1; CN105298705A; ITMI20091416A1; EP3318746A1; WO2016177524A1; WO2009121823A1

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