

Title (en)  
Fuel pump

Title (de)  
Kraftstoffpumpe

Title (fr)  
Pompe à carburant

Publication  
**EP 1431577 B1 20060308 (EN)**

Application  
**EP 03257949 A 20031217**

Priority  
GB 0229367 A 20021217

Abstract (en)  
[origin: EP1431577A1] A fuel pump for use in delivering fuel to a common rail of an internal combustion engine is described. The fuel pump comprises: at least first and second pump units (2,4,6) that are axially spaced along a camshaft (12) to form an in-line pump assembly, wherein each pump unit (2,4,6) includes a pumping plunger (22,24,26), a drive member (48,50,52) that is cooperable with the pumping plunger and driven, in use, by an associated cam arrangement (16,18,20) to impart drive to the plunger upon rotation of the camshaft, and a pump chamber (23,25,27) within which fuel is pressurised for delivery to the common rail. The pump chambers (23,25) of the first and second pump units (2,4) are arranged within a common pump head (34), which is mounted upon a main pump housing (10) having a main housing opening (13) through which the camshaft (12) extends. The pump head (34) defines a high pressure supply passage to which pressurised fuel is delivered from each of the pump chambers and from where pressurised fuel is supplied to the common rail, in use. <IMAGE>

IPC 8 full level  
**F04B 1/053** (2006.01)

CPC (source: EP)  
**F04B 1/0538** (2013.01)

Cited by  
CN107299888A; WO2007083726A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1431577 A1 20040623; EP 1431577 B1 20060308**; AT E319930 T1 20060315; DE 60303899 D1 20060504; DE 60303899 T2 20061130; GB 0229367 D0 20030122

DOCDB simple family (application)  
**EP 03257949 A 20031217**; AT 03257949 T 20031217; DE 60303899 T 20031217; GB 0229367 A 20021217