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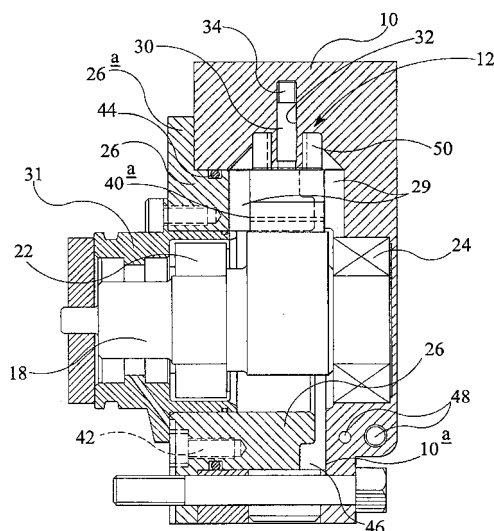
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(54) **Fuel pump**

(57) 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.

FIG 1



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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 25 0126

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Place of search		Date of completion of the search	Examiner
THE HAGUE		31 October 2003	Alconchel y Ungria,J
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
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