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(71) Applicant: **LUCAS INDUSTRIES public limited**
company
Great King Street

Birmingham, B19 2XF West Midlands(GB)

(72) Inventor: **Collingburn, Peter Alban George**
82 Burnham Walk
Gillingham, Kent(GB)
Inventor: **Thomsett, Derek Wallace**
8 Horseshoe Close
Hempstead, Gillingham, Kent(GB)

(74) Representative: **Thompson, George Michael et**
al
MARKS & CLERK Alpha Tower Suffolk Street
Queensway
Birmingham B1 1TT(GB)

(54) **Fuel pumping apparatus.**

(57) A fuel pumping apparatus of the rotary distributor type comprises a distributor member (12) rotatable in a body (10) in timed relationship with an associated engine, a pumping plunger housed within a bore (13) and movable inwardly to displace fuel to the associated engine, by means of a cam (13B) and a valve member (23) which is spring biased to the closed position and which can be moved to an open position to allow fuel to escape from the bore (13), by means of fluid pressure applied to a piston (26)

which is coupled to the valve member. Fluid under pressure is applied to the piston under the control of a slidable shuttle (34) which is actuated by a further plunger in timed relationship with the first mentioned plunger. The extent of movement of the shuttle before fluid under pressure is applied to the piston 26 can be controlled so as to determined the amount of fuel supplied to the associated engine.

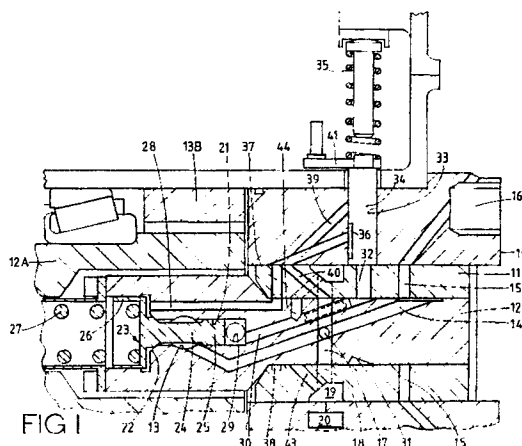


FIG 1



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EUROPEAN SEARCH REPORT

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EP 90 30 0571

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	GB-A-2161546 (LUCAS) * page 1, line 58 - page 2, line 59; figure 1 * -----	1, 4-9	F02M41/14 F02M59/36
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			F02M
The present search report has been drawn up for all claims			
Place of search BERLIN		Date of completion of the search 29 JANUARY 1991	Examiner NOVELLI B.
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			