



(11)

EP 2 006 529 A3

(12)

EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
12.08.2009 Bulletin 2009/33

(51) Int Cl.:
F02M 59/26 (2006.01)

(43) Date of publication A2:
24.12.2008 Bulletin 2008/52

(21) Application number: **08157962.5**

(22) Date of filing: **10.06.2008**

(84) Designated Contracting States:
**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT
RO SE SI SK TR**
Designated Extension States:
AL BA MK RS

(30) Priority: **22.06.2007 GB 0712032**

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(54) **Fluid pump**

(57) A pump (100) for fluid, comprising a pump body (102) defining a bore (104), a pumping plunger (108) having an end region which is slidably received within the bore, a spill port (154) defined by the pump body (102) in a wall of the bore (104) which port is coverable by the end region of the pumping plunger (108) as the plunger is driven on a pumping stroke, in use, so as to initiate fluid pressurisation within a pumping chamber (134); and a spill groove (172) defined by the pumping plunger (108) being arranged to uncover the spill port (154) during a pumping stroke so as to cause depressurisation of the pumping chamber (134). The pumping plunger (108) further defines a speed sensitive feature (176) configured to permit a controlled leak of fluid from the pumping chamber (134) to the spill port (154) towards the end of a pumping stroke. The invention also encompasses a pumping plunger particularly suited for use in the above described pump.

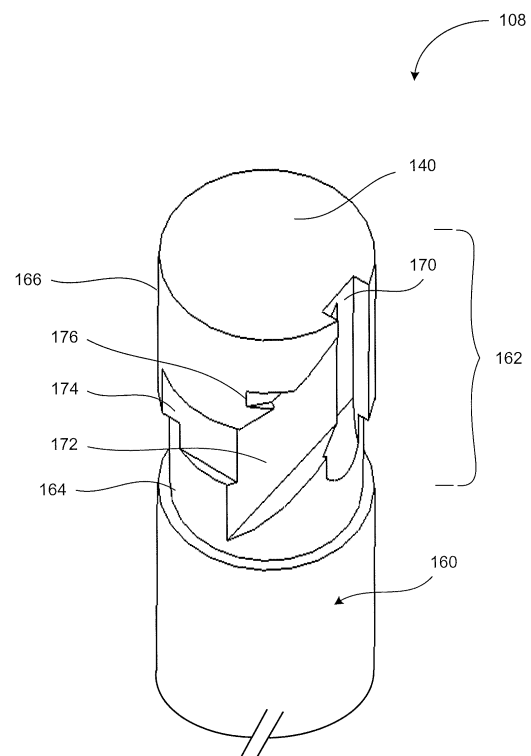


FIGURE 3

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EUROPEAN SEARCH REPORT

Application Number
EP 08 15 7962

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
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			TECHNICAL FIELDS SEARCHED (IPC)
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 3 July 2009	Examiner Jucker, Chava
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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EPO FORM 1503 03/82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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