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(72) Inventor: **Yamamoto, Naoki**  
**Kawasaki-shi, Kanagawa 214-0012 (JP)**

(74) Representative: **Grünecker, Kinkeldey,  
Stockmair & Schwanhäusser Anwaltssozietät  
Maximilianstrasse 58  
80538 München (DE)**

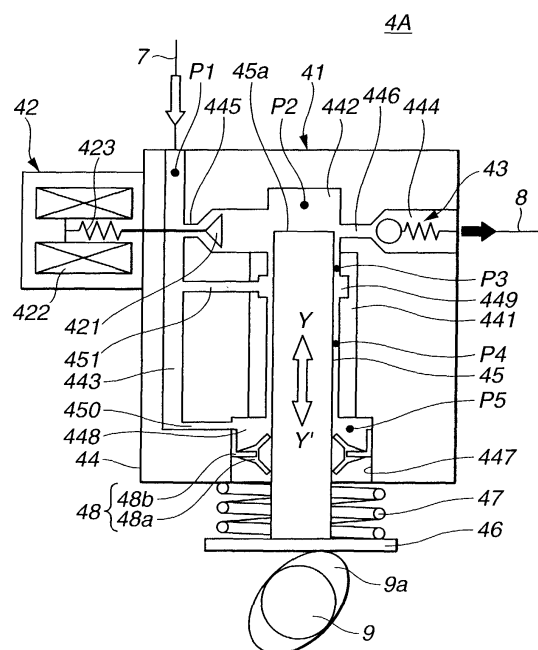
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(71) Applicant: **Nissan Motor Co., Ltd.**  
**Yokohama-shi, Kanagawa 221-0023 (JP)**

(54) **Fuel pump**

(57) A fuel pressure pump has a cylinder. A plunger is slidably received in the cylinder to define at one end of the cylinder a pressure chamber. The pressure chamber presses a fuel therein when the plunger moves in a direction to reduce a volume of the pressure chamber. A fuel supply passage is provided through which the fuel is led to the pressure chamber. A seal member is provided at a position other than a position where an inner surface of the cylinder and an outer surface of the plunger are slidably engaged. The seal member functions to make a hermetical sealing between the inner surface of the cylinder and the outer surface of the plunger. A first fuel holding space is defined by the inner surface of the cylinder, the outer surface of the plunger and the seal member. A first connection passage is provided that connects the first fuel holding space and the fuel supply passage.

**FIG.2**





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# EUROPEAN SEARCH REPORT

Application Number  
EP 02 02 6932

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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
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The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
The Hague		23 June 2005	Friden, C
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 (F04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
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EP 02 02 6932

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
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