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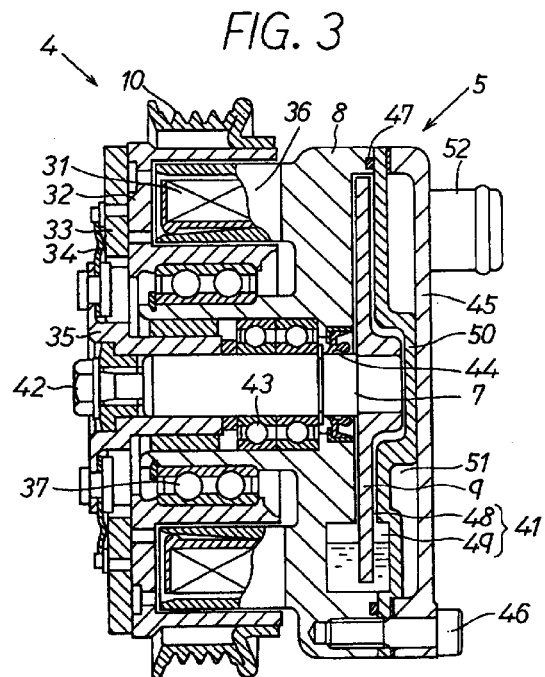
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(54) **Auxiliary heat source apparatus for vehicle and heating apparatus employing the same**

(57) According to the present invention, an oil storage chamber (49) for temporarily accumulating a high-viscosity oil is formed below a heat-generating chamber (48) for accumulating high-viscosity oil which generates heat when a shearing force is applied thereto. When an electromagnetic coil (31) of an electromagnetic clutch (4) is set off, i.e., a rotation of a rotor (9) of a viscous heater (5) is stopped, the high-viscosity oil in the heat-generating chamber moves into the oil storage chamber by own weight thereof, and a liquid level of the high-viscosity oil in the heat-generating chamber is greatly reduced. In this way, when the electromagnetic coil of the electromagnetic clutch is turned on to start the rotor of the viscous heater, a torque applied to the rotor is greatly reduced, with the result that a stress applied to the rotor is reduced.





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EUROPEAN SEARCH REPORT

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EP 97 11 6250

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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		21 January 2000	Topolski, 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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