

Title (en)

Auxiliary heat source apparatus for vehicle and heating apparatus employing the same

Title (de)

Zusatzwärmequelle für Fahrzeug unter Verwendung derselben

Title (fr)

Source de chaleur auxiliaire pour véhicule et appareillage de chauffage en faisant usage

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Application

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Priority

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Abstract (en)

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. <IMAGE>

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