

Title (en)
POWER CONVERSION APPARATUS

Title (de)
STROMRICHTER

Title (fr)
DISPOSITIF DE CONVERSION D'ÉNERGIE

Publication
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Application
EP 09750146 A 20090526

Priority
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Abstract (en)
[origin: WO2009141668A1] A power conversion apparatus (1) is disclosed for a lorry (2) with a refrigeration unit (4). The unit (1) includes a variable displacement pump (5) connected, in use, to an automobile engine (3), a motor (7) fluidly connected to the pump (5) by a control valve (61), a generator (8) operatively connected to the motor (7) and a controller (6). The pump (5) induces a flow to drive the motor (7) when the pump (5) is driven by the engine (3) thereby causing the motor (7) to drive the generator (8). The controller (6) controls both the displacement of the pump (5) and the position of the control valve (61) for regulating, in use, the pressure and/or flow of fluid supplied to the motor (7) from the pump (5) to cause the generator (8) to supply a predetermined alternating current frequency and voltage.

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