

Title (en)
METAL BURNING VEHICLE ENGINE SYSTEM

Title (de)
METALLVERBRENNENDES FAHRZEUGMOTORSYSTEM

Title (fr)
SYSTÈME DE MOTEUR DE VÉHICULE À BRÛLAGE DE MÉTAL

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Application
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Abstract (en)
[origin: WO2014063740A1] The present invention relates to a vehicle engine system (1) comprising a combustion part (2), a heat engine (3) arranged to convert heat from the combustion part (2) to kinetic energy, and an electrical generator (4) arranged to convert the kinetic energy from the heat engine (3) into electrical energy for directly or indirectly actuating propulsion means (5) of a vehicle on which the vehicle engine system (1) is arranged. The combustion part (2) comprises a metal burning unit 6 adapted to generate heat by burning of metal fuel (7), and this metal burning unit 6 comprises a metal burner (10). The combustion part (2) further comprises a metal fuel tank (8) for storing metal fuel (7) to be burned, and a metal fuel transport system (9) for transporting metal fuel (7) from the metal fuel tank (8) to the metal burner (10). The invention further relates to a vehicle comprising such a vehicle engine system (1) and to a method of driving such a vehicle.

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