

Title (en)

A LIQUID FUEL PORTABLE HEATER HAVING A THERMOELECTRIC GENERATOR, AND ACCORDING CONTROL METHOD

Title (de)

TRANSPORTABLER FLÜSSIGBRENNSTOFF-HEIZER MIT THERMOELEKTRISCHEM GENERATOR, UND ENTSPRECHENDES VERFAHREN

Title (fr)

RECHAUD PORTATIF Á COMBUSTIBLE LIQUID AYANT UN GÉNÉRATEUR THERMOÉLECTRIQUE, ET PROCÉDÉ CORRESPONDANT

Publication

EP 2918909 A1 20150916 (EN)

Application

EP 15155313 A 20150217

Priority

IT MI20140400 A 20140313

Abstract (en)

A liquid fuel portable heater comprises: a combustion chamber having a fuel inlet with a nebuliser (13); an electric pump (10) having an inlet (11) for suctioning said liquid fuel from a tank (6), and an outlet (12) connected to said nebuliser (13); a control unit (20) configured so that, when the heater is turned on, said control unit (20) supplies the electric pump (10) with a sequence of pulses with a non-zero voltage, and pause intervals with a substantially zero voltage alternating with said pulses, wherein the average duration of the pulses is less than the average duration of the pause intervals. The heater may furthermore comprise a thermoelectric power generator. In addition, a method for controlling an electric power supply of a fuel electric pump (10) of a liquid fuel portable heater by means of an electric control unit (20) configured to control said electric power supply, comprising a step of electrically supplying said electric pump (10), once the heater is turned on, with a sequence of pulses with a non-zero voltage, and pause intervals with a substantially zero voltage alternating with said pulses, wherein the average duration of the pulses is less than the average duration of the pause intervals.

IPC 8 full level

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Citation (search report)

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