

Title (en)
HEAT GENERATOR

Title (de)
WÄRMEGENERATOR

Title (fr)
GENERATEUR DE CHALEUR

Publication
EP 1875140 A1 20080109 (DE)

Application
EP 05731926 A 20050415

Priority
AT 2005000131 W 20050415

Abstract (en)
[origin: WO2006108198A1] The invention relates to a method for heating a fluid (9) consisting of dipolar particles, such as molecules or clusters of molecules. According to said method, the fluid (9) is exposed to an electrical field in a heat generator (1), and the particles thereof are thus oriented according to the charge thereof. The particles are subjected to voltage pulses, destroying the short-range order thereof, and the recombination of the short-range order can then be carried out during interpulse periods or outside the heat generator (1), heat energy thus being released or generated.

IPC 8 full level
F24H 1/10 (2006.01)

CPC (source: EP US)
F24H 1/106 (2013.01 - EP US); **F24H 3/004** (2013.01 - EP US)

Citation (search report)
See references of WO 2006108198A1

Cited by
WO2020048832A1; DE102018121466A1; US2021188661A1

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WO 2006108198 A1 20061019; CA 2642277 A1 20061019; CN 101208565 A 20080625; CN 101208565 B 20120104; EP 1875140 A1 20080109; EP 1875140 B1 20120613; JP 2008536080 A 20080904; JP 5001259 B2 20120815; US 2009263113 A1 20091022; US 8565588 B2 20131022

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