

Title (en)
Electrical heating device

Title (de)
Elektrisches Heizgerät

Title (fr)
Appareil de chauffage électrique

Publication
EP 1970640 B1 20170913 (FR)

Application
EP 07301486 A 20071024

Priority
FR 0753875 A 20070316

Abstract (en)
[origin: EP1970640A1] The apparatus has a heating unit (100) comprising a tank (110) for receiving less volume of phase changing liquid e.g. alcohol at low boiling temperature, and an electrical heating part (120) e.g. halogen lamp, for heating the liquid. A closed envelope (200) has a panel (210) forms an emissive surface and mounted over the tank. The envelope communicates with the tank for forming a sealed enclosure for vapor of the liquid and condensates, where the enclosure provides resistance to pressure.

IPC 8 full level
F24H 9/00 (2006.01); **F24H 3/00** (2006.01)

CPC (source: EP US)
F24H 3/004 (2013.01 - EP US); **F24H 9/0015** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1970640 A1 20080917; EP 1970640 B1 20170913; FR 2913848 A1 20080919; FR 2915052 A1 20081017; FR 2915052 B1 20150403; US 2008223846 A1 20080918

DOCDB simple family (application)
EP 07301486 A 20071024; FR 0753875 A 20070316; FR 0801458 A 20080317; US 257007 A 20071217