

Title (en)

PORTABLE COMBUSTION HEATER FOR HEATING AIR

Title (de)

TRAGBARER VERBRENNUNGSSHEIZER FÜR ERWÄRMUNG VON LUFT

Title (fr)

APPAREIL DE CHAUFFAGE À COMBUSTION PORTATIF POUR LE CHAUFFAGE DE L'AIR

Publication

EP 3134688 A1 20170301 (EN)

Application

EP 14815020 A 20141112

Priority

- IT MI20140390 A 20140312
- IB 2014065980 W 20141112

Abstract (en)

[origin: WO2015136341A1] A fuel portable heater (1) comprises a combustion chamber (2) with a tubular side wall (3), a housing (7) having a tubular wall (8) extending externally about the side wall (3) of the combustion chamber (2), an annular space (9) formed between the side wall (3) and the tubular wall (8), an electric fan (10) received in the housing (7) and actuatable to convey a heating air flow (11) through the annular space (9), a Seebeck effect thermoelectric converter (12) connected to the side wall (3) in a thermal exchange relationship with the combustion chamber (2) and with the annular space (9), guide surfaces (15) formed in the annular space (9) so as to deviate at least one part of the heating air flow (11) from at least one first circumferential area (16) of the annular space (9) towards at least one second circumferential area (17) of the annular space (9), wherein the thermoelectric converter (12) is located at the second circumferential area (17).

IPC 8 full level

F24H 3/06 (2006.01); **F24H 9/00** (2006.01); **H02N 10/00** (2006.01)

CPC (source: EP US)

F24H 3/065 (2013.01 - EP US); **F24H 9/0063** (2013.01 - EP); **F24H 3/0417** (2013.01 - EP); **F24H 2240/08** (2013.01 - EP US)

Citation (search report)

See references of WO 2015136341A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2015136341 A1 20150917; EP 3134688 A1 20170301

DOCDB simple family (application)

IB 2014065980 W 20141112; EP 14815020 A 20141112