

Title (en)
EVAPORATOR BURNER FOR A MOBILE HEATING DEVICE

Title (de)
VERDAMPFERBRENNER FÜR EIN MOBILES HEIZGERÄT

Title (fr)
BRÛLEUR À ÉVAPORATEUR POUR APPAREIL DE CHAUFFAGE MOBILE

Publication
EP 2802814 A1 20141119 (DE)

Application
EP 12815624 A 20121120

Priority
• DE 102012100173 A 20120110
• DE 2012100353 W 20121120

Abstract (en)
[origin: WO2013104349A1] The invention relates to an evaporator burner (4) for a mobile heating device (2), comprising a combustion chamber (8), an evaporator receptacle (10), and an evaporator element (12) for evaporating liquid fuel. Said evaporator element (12) is received in the evaporator receptacle (10) on the side facing the combustion chamber (8). On the side of the evaporator receptacle (10) facing away from the combustion chamber (8), the evaporator burner (4) has at least one combustion air guide element (16), which is arranged in such a way that a combustion air flow path extending at least along a section of the bottom wall (26) of the evaporator receptacle (10) is formed between the combustion air guide element (16) and a bottom wall (26) of the evaporator receptacle (10).

IPC 8 full level
F23C 7/00 (2006.01); **F23C 7/04** (2006.01); **F23C 7/06** (2006.01); **F23D 3/40** (2006.01)

CPC (source: EP US)
B60H 1/2203 (2013.01 - US); **F23C 7/004** (2013.01 - EP US); **F23C 7/04** (2013.01 - EP US); **F23C 7/06** (2013.01 - EP US); **F23D 3/18** (2013.01 - US); **F23D 3/40** (2013.01 - EP US); **F23D 5/18** (2013.01 - US); **F23D 2900/05002** (2013.01 - EP US)

Citation (search report)
See references of WO 2013104349A1

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

DOCDB simple family (publication)
DE 102012100173 A1 20130711; **DE 102012100173 B4 20140904**; CN 104040255 A 20140910; CN 104040255 B 20160420; EP 2802814 A1 20141119; JP 2015505357 A 20150219; JP 6052632 B2 20161227; KR 20140101392 A 20140819; KR 20160054019 A 20160513; RU 2571699 C1 20151220; US 2014346242 A1 20141127; US 9759422 B2 20170912; WO 2013104349 A1 20130718

DOCDB simple family (application)
DE 102012100173 A 20120110; CN 201280066725 A 20121120; DE 2012100353 W 20121120; EP 12815624 A 20121120; JP 2014550637 A 20121120; KR 20147017710 A 20121120; KR 20167010891 A 20121120; RU 2014132890 A 20121120; US 201214363553 A 20121120