

Title (en)

HEAT EXCHANGER FOR A MOBILE SOLID-FUEL FIRING SYSTEM

Title (de)

WÄRMETAUSCHER FÜR EINE MOBILE FESTBRENNSTOFFFEUERUNGSANLAGE

Title (fr)

ÉCHANGEUR DE CHALEUR POUR INSTALLATION MOBILE DE FOYER À COMBUSTIBLE SOLIDE

Publication

**EP 2684001 B1 20170111 (DE)**

Application

**EP 12714834 A 20120308**

Priority

- DE 102011013284 A 20110308
- DE 202011103414 U 20110701
- IB 2012000440 W 20120308

Abstract (en)

[origin: WO2012120369A1] The invention relates to a heat exchanger (22) for a mobile solid-fuel firing system (2) comprising a hot gas connection (38) and an inner gas duct (32), a cooling gas connection (58) and an outer gas duct (34) and a wall (30) separating the gas ducts (32, 34) and conducting heat, for producing a heat transfer from the hot gas to the colder gas. Defined gas ducting and a low weight of the heat exchanger can be achieved if the wall (30) comprises a number of interconnected corrugated sheets (74), between which both gas ducts (32, 34) run.

IPC 8 full level

**F24H 3/08** (2006.01); **F24H 3/10** (2006.01); **F24H 9/00** (2006.01); **F28D 9/00** (2006.01); **F28D 21/00** (2006.01); **F28F 3/04** (2006.01); **F28F 9/02** (2006.01); **F28F 9/22** (2006.01); **F28F 9/26** (2006.01)

CPC (source: EP)

**F24H 3/088** (2013.01); **F24H 3/107** (2013.01); **F24H 9/0063** (2013.01); **F28D 9/0031** (2013.01); **F28D 9/0037** (2013.01); **F28F 3/046** (2013.01); **F28F 9/0221** (2013.01); **F28F 9/22** (2013.01); **F28F 9/26** (2013.01); **F28D 9/0025** (2013.01); **F28D 21/0003** (2013.01); **F28F 2225/04** (2013.01); **F28F 2265/00** (2013.01); **F28F 2265/30** (2013.01); **F28F 2275/06** (2013.01); **F28F 2275/12** (2013.01)

Citation (examination)

FR 2553182 A1 19850412 - CALMON OLIVIER [FR]

Cited by

EP3009762A1; WO2023006132A1

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 202011103414 U1 20111219**; AT 12584 U1 20120815; EP 2684001 A1 20140115; EP 2684001 B1 20170111; WO 2012120369 A1 20120913

DOCDB simple family (application)

**DE 202011103414 U 20110701**; AT 3752011 U 20110701; EP 12714834 A 20120308; IB 2012000440 W 20120308