

Title (en)
HEAT EXCHANGER

Title (de)
WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR DE CHALEUR

Publication
EP 3596406 A4 20210428 (EN)

Application
EP 18768251 A 20180319

Priority
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• US 2018023160 W 20180319

Abstract (en)
[origin: WO2018170514A1] A heat exchanger for an appliance having a burner includes at least one tubular heat exchanger section extending from an inlet end aligned with the burner and an outlet end. The inlet end includes a first portion having a first inner diameter and a second portion having a second inner diameter greater than the first diameter.

IPC 8 full level
F24H 3/00 (2006.01); **F24H 3/02** (2006.01); **F24H 3/06** (2006.01); **F24H 3/08** (2006.01); **F24H 9/00** (2006.01); **F28F 1/00** (2006.01); **F28F 9/00** (2006.01); **F28F 9/02** (2006.01); **F28F 9/04** (2006.01); **F28F 9/16** (2006.01); **F28F 9/18** (2006.01); **F28F 21/00** (2006.01); **F28F 21/04** (2006.01); **F28F 21/08** (2006.01)

CPC (source: EP US)
F23D 14/02 (2013.01 - EP US); **F23D 14/126** (2021.05 - EP US); **F24H 3/087** (2013.01 - EP); **F24H 9/1881** (2013.01 - EP); **F28D 1/024** (2013.01 - EP); **F28D 1/0477** (2013.01 - EP); **F28D 7/082** (2013.01 - EP); **F28F 1/006** (2013.01 - EP); **F28F 9/0278** (2013.01 - EP); **F28F 9/028** (2013.01 - EP); **F28F 9/167** (2013.01 - EP); **F28F 9/185** (2013.01 - EP); **F28F 21/04** (2013.01 - EP); **F23D 2203/005** (2013.01 - EP US); **F24H 3/087** (2013.01 - US); **F24H 9/1881** (2013.01 - US); **F28D 2021/0024** (2013.01 - EP); **F28F 9/167** (2013.01 - US); **F28F 21/04** (2013.01 - US); **F28F 2270/00** (2013.01 - EP)

Citation (search report)
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DOCDB simple family (application)
US 2018023160 W 20180319; CA 3055303 A 20180319; CN 201880017558 A 20180319; EP 18768251 A 20180319; US 201816487932 A 20180319