

Title (en)  
HEAT-GENERATING UNIT

Title (de)  
WÄRMEERZEUGUNGSEINHEIT

Title (fr)  
UNITÉ DE GÉNÉRATION DE CHALEUR

Publication  
**EP 3124890 B1 20190619 (EN)**

Application  
**EP 16179998 A 20160718**

Priority  
JP 2015150670 A 20150730

Abstract (en)  
[origin: EP3124890A1] A heat-generating unit includes a hot-water-supply compressor that compresses a hot-water-supply refrigerant; a hot-water-supply heat exchanger that exchanges heat between the hot-water-supply refrigerant and a hot-water-supply heat medium; a cascade heat exchanger that exchanges heat between the hot-water-supply refrigerant and an air-conditioning refrigerant; and a casing that houses the hot-water-supply compressor, the hot-water-supply heat exchanger, and the cascade heat exchanger. The hot-water-supply heat exchanger is disposed on a bottom plate member of the casing, and the hot-water-supply compressor and the cascade heat exchanger are disposed above the bottom plate member of the casing.

IPC 8 full level  
**F24F 5/00** (2006.01); **F24H 4/02** (2006.01); **F24H 9/02** (2006.01); **F25B 7/00** (2006.01)

CPC (source: CN EP US)  
**F24F 5/001** (2013.01 - CN); **F24F 5/0096** (2013.01 - CN EP); **F24F 13/30** (2013.01 - CN); **F24H 4/02** (2013.01 - EP US); **F24H 9/02** (2013.01 - EP); **F25B 7/00** (2013.01 - EP); **F25B 29/003** (2013.01 - CN); **F25B 31/004** (2013.01 - EP); **F25B 41/20** (2021.01 - CN EP US); **F25B 41/22** (2021.01 - CN EP US); **F25B 41/24** (2021.01 - CN EP US); **F24D 15/04** (2013.01 - EP); **F24D 17/02** (2013.01 - EP); **F24F 2221/183** (2013.01 - CN); **F25B 2313/0231** (2013.01 - EP); **F25B 2313/0233** (2013.01 - EP); **F25B 2339/047** (2013.01 - EP)

Cited by  
CN109442752A; US11293670B2; US11739990B2

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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DOCDB simple family (application)  
**EP 16179998 A 20160718**; CN 201610617149 A 20160729; JP 2015150670 A 20150730