

Title (en)  
VENTILATION UNIT FOR REFRIGERATION SYSTEMS

Title (de)  
VENTILATIONSEINHEIT FÜR KÄLTEANLAGEN

Title (fr)  
UNITÉ DE VENTILATION POUR DISPOSITIF DE RÉFRIGÉRATION

Publication  
**EP 3404268 B1 20230201 (DE)**

Application  
**EP 18172026 A 20180514**

Priority  
DE 102017111001 A 20170519

Abstract (en)  
[origin: CN207050304U] The utility model relates to a ventilation unit for refrigeration plant (1), its design be used for the installation with arrange refrigeration plant department and the fan has and with fan tandem arrangement's heat exchanger (3), wherein fan design and arranging for heat exchanger (3) do, pass heat exchanger (3) and leave ventilation unit at conveying air flow in service, its characterized in that, the fan design is for inclined flow type fan (2) and inhale air mass flow and discharge along the slant with the angle for its rotation axis (RA) along the axial in service. According to the utility model discloses a ventilation unit can be more high -efficient ground and moving with littleer defrosting frequency.

IPC 8 full level  
**F04D 17/06** (2006.01); **F04D 29/58** (2006.01); **F24F 1/0025** (2006.01); **F24F 11/43** (2006.01); **F25D 17/06** (2006.01); **F04D 29/28** (2006.01)

CPC (source: EP US)  
**F04D 17/06** (2013.01 - EP US); **F04D 29/5826** (2013.01 - EP); **F24F 1/0025** (2013.01 - EP US); **F24F 11/43** (2017.12 - EP US); **F25B 13/00** (2013.01 - US); **F25B 39/00** (2013.01 - US); **F25D 17/067** (2013.01 - EP US); **F04D 29/281** (2013.01 - EP US); **F25D 2317/0681** (2013.01 - EP US); **F25D 2500/02** (2013.01 - EP US)

Citation (examination)  
• US 2017102007 A1 20170413 - STAUTER RICHIE C [US], et al  
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• SANDERS C.T.: "FROST FORMATION: THE INFLUENCE OF FROST FORMATION AND DEFROSTING ON THE PERFORMANCE OF AIR COOLERS", 23 October 1974 (1974-10-23), XP055790804, Retrieved from the Internet <URL:https://repository.tudelft.nl/islandora/object/uuid:%3Ab99381a0-893c-4382-8b14-b1d9bdb370dd> [retrieved on 20210329]

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
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**EP 18172026 A 20180514**; CN 201720898493 U 20170724; DE 102017111001 A 20170519; DK 18172026 T 20180514; ES 18172026 T 20180514; US 201815983232 A 20180518