

Title (en)
CONVECTION FAN

Title (de)
KONVEKTIONS-LÜFTER

Title (fr)
VENTILATEUR DE CONVECTION

Publication
EP 3205944 A1 20170816 (EN)

Application
EP 16205732 A 20161221

Priority
US 201615019508 A 20160209

Abstract (en)
A convection fan includes a plurality of blades mounted for rotation with a shaft, a guiding plate mounted to partially surround the plurality of blades, and a fan-motor mount. The fan-motor mount includes a top plate and a bottom plate through which the shaft extends, a motor fastener that mounts a motor to the bottom plate in isolation from the top plate, a guiding plate fastener that mounts the guiding plate to the top plate in isolation from the bottom plate, an insulator between the top plate and the bottom plate, and a plate fastener that mounts the top plate to the bottom plate. The plate fastener includes a fastener and a standoff that surrounds a portion of the fastener between the top plate and the bottom plate and within the bottom plate to provide a thermal break.

IPC 8 full level
F24C 15/32 (2006.01)

CPC (source: EP US)
F04D 13/06 (2013.01 - US); **F24C 15/322** (2013.01 - EP US)

Citation (search report)

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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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
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DOCDB simple family (application)
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