

Title (en)
AIR-COOLED HEAT EXCHANGER

Title (de)
LUFTGEKÜHLTER WÄRMETAUSCHER

Title (fr)
ÉCHANGEUR THERMIQUE À REFROIDISSEMENT À AIR

Publication
EP 3410053 A1 20181205 (EN)

Application
EP 17020231 A 20170530

Priority
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Abstract (en)
The cylindrical air-cooled heat exchanger characterised in that it contains a number of annular fins (1) in the form of disks arranged one above the other with holes (2) having basically the same turn ups (3) which constitute the spacers of annular fins (1) and vertical tubes (2) go through the holes (4) over the bottom and top fins (1) and the nearby protruding ends are grouped in pairs with the aid of U-shaped tubes (5) with exception of at least one pair acting as an inlet and outlet for fluid flow and on one side of the formed by the annular fins (1) roller a radial or axial fan is mounted (6), and on the opposite side a conical diffuser (7) is fitted ensuring an equal air flow between successive annular fins (1).

IPC 8 full level
F28D 1/047 (2006.01); **F24F 1/0063** (2019.01); **F24F 1/18** (2011.01); **F24F 1/46** (2011.01); **F25B 39/00** (2006.01); **F28B 1/06** (2006.01); **F28D 1/02** (2006.01); **F28D 7/00** (2006.01); **F28F 1/32** (2006.01); **F28F 1/34** (2006.01); **H01L 23/34** (2006.01)

CPC (source: EP US)
F24F 1/0063 (2019.01 - EP US); **F24F 1/18** (2013.01 - EP); **F24F 1/46** (2013.01 - EP); **F25B 39/00** (2013.01 - EP); **F28B 1/06** (2013.01 - EP); **F28D 1/024** (2013.01 - EP); **F28D 1/0477** (2013.01 - EP); **F28D 7/005** (2013.01 - EP); **F28F 1/32** (2013.01 - EP); **F28F 1/34** (2013.01 - EP); **F28D 2001/0273** (2013.01 - EP); **F28D 2021/0031** (2013.01 - EP); **F28D 2021/0068** (2013.01 - EP)

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