

Title (en)

Equipment for cooling and heating spaces in building

Title (de)

Ausrüstung zum Kühlen und Heizen von Räumen in einem Gebäude

Title (fr)

Équipement pour le refroidissement et le chauffage d'espaces dans un bâtiment

Publication

**EP 1956305 A2 20080813 (EN)**

Application

**EP 08002011 A 20080204**

Priority

CZ 2007100 A 20070206

Abstract (en)

Equipment for cooling and heating spaces in buildings, in whose housing (14), furnished with an entry for the intake of circulating air and an exhaust for conditioned air, there is a heat exchanger (1) unit with fan (4), where that fan (4) is positioned on the outlet side of the heat exchanger (1), whilst under the heat transfer surface of the heat exchanger (1) there is a condensate tank (2). The heat transfer surface of the heat exchanger (1) is tightly closed at both ends by the housing (14), which is furnished with a tightly fitting service lid (7). The heat transfer surface of the heat exchanger (1) consists of a cylindrical annular segment with axis perpendicular to the direction of the horizontal flow of the incoming circulating air, and the unclosed part of the cylinder fits tightly for its whole height against the vertical closing wall of the housing (14). Inside that cylindrical heat transfer surface there is a suction fan (4) whose exhaust passes sealingly through the vertical closing wall of the housing (14) in the location of the unclosed part of the cylinder of the heat transfer surface of the heat exchanger (1), and is connected by a distribution duct (9), through a diffuser (8), to an air distribution element (10).

IPC 8 full level

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CPC (source: EP US)

**F24F 1/0038** (2019.01 - EP US); **F24F 1/0047** (2019.01 - EP US); **F24F 1/0063** (2019.01 - EP US); **F24F 13/24** (2013.01 - EP US); **F24F 13/30** (2013.01 - EP US); **F28D 7/02** (2013.01 - EP US)

Citation (applicant)

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