

Title (en)
AIR HUMIDIFYING DEVICE

Title (de)
VORRICHTUNG ZUR LUFTBEFEUCHTUNG

Title (fr)
DISPOSITIF D'HUMIDIFICATION D'AIR

Publication
EP 1880146 B1 20171018 (DE)

Application
EP 06740998 A 20060510

Priority
• AT 2006000190 W 20060510
• AT 8092005 A 20050512

Abstract (en)
[origin: WO2006119524A1] The invention relates to a device for humidifying air with a housing (1), which comprises a horizontal axis and through which air to be humidified axially flows, and with a humidifying device, which comprises a container (14) for holding a humidifying liquid and a support for the humidifying liquid submerged in the liquid bath (15) of the container (14) and extending into the housing (1). In order to create advantageous humidifying conditions, the invention provides that the support is provided in the form of a rotor (5) with a rotation axis coaxial to the housing (1), and that the support has a multitude of blades (9) distributed around the periphery of the rotor (5) and running parallel to the rotation axis, between which axial flow channels (10) for the air to be humidified are formed while extending over a radial area whose outer radius is greater than the distance of the rotation axis of the rotor (5) from the level (16) of the liquid bath (15).

IPC 8 full level
F24F 3/16 (2006.01); **F24F 6/06** (2006.01)

CPC (source: EP)
F24F 6/06 (2013.01); **F24F 8/22** (2021.01); **F24F 8/30** (2021.01); **F24F 2221/34** (2013.01)

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2006119524 A1 20061116; AT 501613 A4 20061015; AT 501613 B1 20061015; EP 1880146 A1 20080123; EP 1880146 B1 20171018

DOCDB simple family (application)
AT 2006000190 W 20060510; AT 8092005 A 20050512; EP 06740998 A 20060510