

Title (en)

Water-cooling fan with water heating coil for cooling, humidification and heating

Title (de)

Verdunstungskühlgerät mit Heizspirale zur Kühlung, Heizung und Befeuchtung

Title (fr)

Ventilateur à évaporation avec chauffeur d'eau pour refroidissement, humidification et chauffage

Publication

EP 2090842 A1 20090819 (EN)

Application

EP 08002763 A 20080214

Priority

EP 08002763 A 20080214

Abstract (en)

A water-cooling fan with humidifying effect includes a main body 1, a cloth curtain 2 and a filter 3. The main body 1 has a fan 10, an air outlet 11 formed at its front, an air inlet 12 formed at its rear, a plugging groove 13 positioned respectively at two sides of the air inlet 12, a water tank 14, a pump 15 and a sink 16. The circumference of the air inlet 12 is attached with a Velcro band 121 corresponding to a Velcro band 20 fixed around the circumference of the cloth curtain 2. The water tank 14 has an opening 140 for the cloth curtain 2 to extend into it, a water-exiting tube 141 connected with the pump 15, and at least one heater 142 fixed in its bottom. The sink 16 has a plurality of water-dropping holes 160 in its bottom and a water-entering tube 162 for being connected with the pump 15. Such a fan can be used as a water-cooling fan or used to increase indoor humidity if necessary.

IPC 8 full level

F24F 6/02 (2006.01); **F24F 1/005** (2019.01); **F24F 1/035** (2019.01); **F24F 1/037** (2019.01)

CPC (source: EP US)

F24F 1/0007 (2013.01 - EP); **F24F 1/005** (2019.01 - EP US); **F24F 1/035** (2019.01 - EP US); **F24F 1/037** (2019.01 - EP US); **F24F 6/043** (2013.01 - EP); **F24F 2006/046** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

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