

Title (en)
RADIATOR

Title (de)
HEIZKÖRPER

Title (fr)
RADIATEUR

Publication
EP 2363659 B1 20160713 (EN)

Application
EP 10784940 A 20100108

Priority
JP 2010000096 W 20100108

Abstract (en)
[origin: EP2363659A1] A radiator (50) is a radiator that cools an indoor space (50a, 50b) by sucking in cold water from a heat source unit (10) and comprises a heat exchanger (52), a first piping (5a), a three-way valve (54), a heat exchanger temperature detection unit (56), and a control unit (60). In the first piping (5a), the cold water flows from the heat source unit (10) side to the heat exchanger (52) side. The three-way valve (54) adjusts the flow volume of the cold water flowing through the heat exchanger (52). The heat exchanger temperature detection unit (56) is capable of detecting the temperature of the heat exchanger (52). The control unit (60) performs a first cooling control that controls the three-way valve (54) so that the temperature of the heat exchanger (52) detected by the heat exchanger temperature detection unit (56) is greater than or equal to the dew point temperature of air inside the indoor space (50a, 50b).

IPC 8 full level
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CPC (source: EP US)
F24F 1/0071 (2019.01 - EP US); **F24F 11/83** (2017.12 - EP); **F24F 11/84** (2017.12 - EP US); **F24F 13/22** (2013.01 - EP); **F24F 2140/20** (2017.12 - EP)

Citation (examination)
US 2004182944 A1 20040923 - FREDERIKSEN BJARNE [DK], et al

Cited by
CN106642509A; CN112781134A; CN106322697A; CN106765859A; DE102019200097A1

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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 SE SI SK SM TR

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EP 2363659 A1 20110907; **EP 2363659 A4 20121031**; **EP 2363659 B1 20160713**; WO 2011083517 A1 20110714

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