

Title (en)
HEAT SOURCE-SIDE UNIT AND REFRIGERATION CYCLE DEVICE

Title (de)
WÄRMEQUELLENSEITIGE EINHEIT UND KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
UNITÉ CÔTÉ SOURCE DE CHALEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
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Application
EP 17894243 A 20170124

Priority
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Abstract (en)
[origin: EP3575730A1] In a heat source-side unit according to the present invention, a temperature sensor is installed on an inter-column connecting part included in a plurality of inter-column connecting parts and located higher than an intermediate position in a vertical direction of a heat exchanger.

IPC 8 full level
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F25B 49/02 (2013.01 - EP US); **F28D 1/0435** (2013.01 - EP); **F28D 1/0452** (2013.01 - EP); **F28D 1/0476** (2013.01 - EP);
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F28F 9/0243 (2013.01 - EP US); **F28F 9/0278** (2013.01 - US); **F28F 2215/12** (2013.01 - US)

Citation (search report)
• [Y] WO 2015045452 A1 20150402 - MITSUBISHI ELECTRIC CORP [JP]
• [Y] US 2016245596 A1 20160825 - HIGASHIIUE SHINYA [JP], et al
• [Y] JP 2013139931 A 20130718 - DAIKIN IND LTD
• See references of WO 2018138770A1

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

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