

Title (en)
REFRIGERATOR

Title (de)
KÜHLSCHRANK

Title (fr)
RÉFRIGÉRATEUR

Publication
EP 3971495 A4 20220706 (EN)

Application
EP 20809110 A 20200509

Priority
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• CN 2020089327 W 20200509

Abstract (en)
[origin: EP3971495A1] The present invention provides a refrigerator, comprising: a refrigerant circuit 10 comprising: a suction pipe 17 made of aluminum and comprising a recess 171 formed in a lengthwise direction and recessed radially inwardly; and a capillary tube 15 embedded in the recess 171. In the present invention, with the capillary tube being embedded in the recess of the suction pipe made of aluminum, an operation of joining the suction pipe to the capillary tube can be performed easily, and the heat transfer efficiency between the refrigerant circulating in the suction pipe and the refrigerant circulating in the capillary tube can be improved.

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Citation (search report)
• [X1] US 2015198381 A1 20150716 - KUEHL STEVEN J [US], et al
• [X1] JP 2002372316 A 20021226 - HITACHI LTD
• [X1] DE 1116247 B 19611102 - SCHMOELE METALL R & G
• [X1] CN 105526748 A 20160427 - HEFEI MIDEA REFRIGERATOR CO, et al
• See also references of WO 2020233419A1

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

Designated extension state (EPC)
BA ME

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EP 3971495 A1 20220323; EP 3971495 A4 20220706; CN 113874666 A 20211231; JP 2020186887 A 20201119; WO 2020233419 A1 20201126

DOCDB simple family (application)
EP 20809110 A 20200509; CN 2020089327 W 20200509; CN 202080036518 A 20200509; JP 2019093399 A 20190517