

Title (en)
HEAT EXCHANGER AND REFRIGERATION SYSTEM

Title (de)
WÄRMETAUSCHER UND KÄLTESYSTEM

Title (fr)
ÉCHANGEUR DE CHALEUR ET SYSTÈME DE RÉFRIGÉRATION

Publication
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Application
EP 20906651 A 20201214

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Abstract (en)
[origin: EP4067805A1] The present invention provides a heat exchanger (100) and a refrigeration system (1000). The heat exchanger (100) includes a collecting pipe (10), and the collecting pipe (10) includes a plurality of pipe units (13). The plurality of pipe units (13) are sequentially stacked and connected, and each of the plurality of pipe units (13) includes a first section (131) and a second section (132). A diameter of the first section (131) is less than that of the second section (132), such that the first section (131) of one of adjacent two of the plurality of pipe units (13) is capable of inserting into the second section (132) of the other of adjacent two of the plurality of pipe units (13). An arc-shaped section (133) is provided between the first section (131) and the second section (132) of each of the plurality of pipe units (13), and the arc-shaped section (133) extends to a top of the second section (132) from a bottom of the first section (131), so that the first section (131) is connected to the second section (132).

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Citation (search report)
• [X] DE 10112697 A1 20020919 - BEHR GMBH & CO [DE]
• [X] JP H01203890 A 19890816 - NIPPON DENSO CO
• [X] JP H0229594 A 19900131 - NIPPON DENSO CO
• [X] JP 2001263989 A 20010926 - KOBE STEEL LTD
• See references of WO 2021129440A1

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