Title (en)

HEAT EXCHANGER AND REFRIGERATION CYCLE DEVICE USING SAME

Title (de)

WÄRMETAUSCHER UND KÄLTEKREISLAUFVORRICHTUNG DAMIT

Title (fr)

ÉCHANGEUR DE CHALEUR ET DISPOSITIF À CYCLE DE RÉFRIGÉRATION UTILISANT CELUI-CI

Publication

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Application

EP 16786106 A 20160405

Priority

- JP 2015091026 A 20150428
- JP 2016001909 W 20160405

Abstract (en)

[origin: EP3290854A1] A heat exchanger according to the present invention includes an inner pipe in which first fluid flows and an insertion body inserted in the inner pipe. Furthermore, the heat exchanger includes an outer pipe that is provided at an outer periphery of the inner pipe and in which second fluid flows. The insertion body has a shaft portion and a spiral projection portion formed on an outer surface of the shaft portion. The first fluid flows in a spiral flow path formed by an inner surface of the inner pipe, the shaft portion, and the spiral projection portion. This configuration makes it possible to provide a heat exchanger that is compact, is superior in economic performance, and has high quality performance and high heat transfer performance.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- No further relevant documents disclosed
- See references of WO 2016174826A1

Cited by

EP3754284A1

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

DOCDB simple family (publication)

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