

Title (en)  
REFRIGERATION CYCLE DEVICE

Title (de)  
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)  
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication  
**EP 3115730 A4 20171206 (EN)**

Application  
**EP 14884296 A 20140307**

Priority  
JP 2014056025 W 20140307

Abstract (en)  
[origin: EP3115730A1] Provided is a refrigeration cycle apparatus, including a load-side heat exchanger (15) and a heat source-side heat exchanger (13) each including tubes with inner grooves, each of the tubes having inner grooves (23) extending obliquely with respect to a direction of a tube axis, and inner fins (24) each being formed between the inner grooves (23). In the refrigeration cycle apparatus, at least two of a first relationship, a second relationship, and a third relationship are satisfied: the first relationship of  $\pm 1 > \pm 2$ ; the second relationship of  $H1 > H2$ ; and the third relationship of  $\alpha_1 < \alpha_2$ , where  $\pm 1$  and  $\pm 2$  represent lead angles of the inner grooves (23) of the load-side heat exchanger (15) and the heat source-side heat exchanger (13), respectively,  $H1$  and  $H2$  represent heights of the inner fins (24) of the load-side heat exchanger (15) and the heat source-side heat exchanger (13), respectively, and  $\alpha_1$  and  $\alpha_2$  represent apex angles of the inner fins (24) of the load-side heat exchanger (15) and the heat source-side heat exchanger (13), respectively.

IPC 8 full level  
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Citation (search report)

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Designated contracting state (EPC)  
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