

Title (en)
REFRIGERATION CYCLE DEVICE

Title (de)
KÄLTEKREISLAUFVORRICHTUNG

Title (fr)
DISPOSITIF À CYCLE DE RÉFRIGÉRATION

Publication
EP 2896897 B1 20221214 (EN)

Application
EP 13836578 A 20130802

Priority
• JP 2012200380 A 20120912
• JP 2013071014 W 20130802

Abstract (en)
[origin: EP2896897A1] A refrigeration cycle device (10) includes: a casing (40) that configures the outer contour of an outdoor machine (30), has a machine chamber (M) and a blowing chamber (F) formed therewithin, and has formed an introduction hole (45) for introducing outside air into the machine chamber (M); a partition plate (50) that partitions the interior of the casing (40) so as to demarcate the machine chamber (M) and the blowing chamber (F); a refrigeration cycle circuit, of which at least a portion is disposed in the machine chamber (M), and through which a combustible refrigerant circulates; and a blower (35) disposed in the blowing chamber (F). A blow-through hole (51) connecting from the machine chamber (M) to the blowing chamber (F) is formed in a bottom part of the partition plate (50). The outside air introduced into the machine chamber (M) from the introduction hole (45) flows through the blow-through hole (51) and into the blowing chamber (F), and by means of the blower (35), is sent outside the casing (40) from a blow-out opening formed in the blowing chamber (F).

IPC 8 full level
F24F 1/48 (2011.01); **F24F 1/24** (2011.01)

CPC (source: CN EP US)
F24F 1/06 (2013.01 - CN EP US); **F24F 1/24** (2013.01 - CN EP US); **F24F 1/38** (2013.01 - CN EP US); **F24F 1/48** (2013.01 - CN EP US); **F24F 1/56** (2013.01 - CN EP US); **F25D 17/06** (2013.01 - US); **F25D 23/00** (2013.01 - US)

Citation (examination)
EP 2333435 A2 20110615 - SANYO ELECTRIC CO [JP]

Cited by
EP4083524A1; EP3282200A1; EP3657104A1; US11204182B2; EP3943822A1; US10569617B2

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