

Title (en)

VAPOR COMPRESSION SYSTEM WITH CONDENSATE INTERCOOLING BETWEEN COMPRESSION STAGES

Title (de)

DAMPFKOMPRESSIONSANLAGE MIT KONDENSATZWISCHENKÜHLUNG ZWISCHEN KOMPRESSIONSSTUFEN

Title (fr)

SYSTÈME DE COMPRESSION DE VAPEUR AVEC REFROIDISSEMENT INTERMÉDIAIRE DE CONDENSAT ENTRE DES STADES DE COMPRESSION

Publication

EP 2054682 A4 20120321 (EN)

Application

EP 06801972 A 20060821

Priority

US 2006032547 W 20060821

Abstract (en)

[origin: WO2008024102A1] A refrigerant vapor compression system includes a first compression device and a second compression device disposed in a refrigerant circuit in series relationship with respect to refrigerant flow and an intercooler adapted to cool the refrigerant passing from the first compression device to the second compression. An evaporator is provided in the refrigerant circuit wherein the refrigerant accepts heat from a moisture bearing gas such as air. Condensate formed of moisture condensing out of the gas is collected and supplied to the intercooler for cooling the refrigerant flowing from the first compression device to the second compression device.

IPC 8 full level

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CPC (source: EP US)

F25B 1/10 (2013.01 - EP US); **F25B 31/006** (2013.01 - EP US); **F25B 2400/072** (2013.01 - EP US); **F25D 21/14** (2013.01 - EP US)

Citation (search report)

- [XYI] JP 2004085105 A 20040318 - SANYO ELECTRIC CO
- [YA] DE 19630431 A1 19980129 - BEHR GMBH & CO [DE]
- See references of WO 2008024102A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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