

Title (en)

LIQUID VAPOR SEPARATION IN TRANSCRITICAL REFRIGERANT CYCLE

Title (de)

FLÜSSIGKEITS-DAMPF-TRENNUNG IN EINEM TRANSKRITISCHEN KÄLTEMITTELKREISLAUF

Title (fr)

SEPARATION DE LIQUIDE ET DE VAPEUR DANS UN CYCLE DE REFRIGERANT TRANSCRITIQUE

Publication

EP 2340406 A4 20141119 (EN)

Application

EP 09818353 A 20090929

Priority

- US 2009058732 W 20090929
- US 10179208 P 20081001

Abstract (en)

[origin: WO2010039682A2] A refrigerant vapor compression system includes a flash tank disposed in the refrigerant circuit intermediate a refrigerant heat rejection heat exchanger and a refrigerant heat absorption heat exchanger. The flash tank has a shell defining an interior volume having an upper chamber, a lower chamber and a middle chamber. A first fluid passage establishes fluid communication between the middle chamber and the upper chamber and a second fluid passage establishing fluid communication between the middle chamber and the lower chamber. An inlet port opens to the middle chamber. A first outlet port opens to the upper chamber and a second outlet port opens to the lower chamber.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

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Designated contracting state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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