

Title (en)

REFRIGERANT SYSTEM WITH VARIABLE CAPACITY EXPANDER

Title (de)

KÄLTEMITTELSYSTEM MIT EXPANSIONSVORRICHTUNG MIT VERSTELLBARER KAPAZITÄT

Title (fr)

SYSTÈME RÉFRIGÉRANT À EXPANSEUR DE CAPACITÉ VARIABLE

Publication

**EP 2142860 A1 20100113 (EN)**

Application

**EP 07758650 A 20070316**

Priority

US 2007064117 W 20070316

Abstract (en)

[origin: WO2008115227A1] A refrigerant system incorporates a variable capacity expander. A bypass line selectively bypasses at least a portion of the refrigerant approaching the expander to the intermediate expansion point within the expander. In this manner, the refrigerant expansion process is controlled more efficiently than in the prior art.

IPC 8 full level

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CPC (source: EP US)

**F25B 9/008** (2013.01 - EP US); **F25B 9/06** (2013.01 - EP US); **F25B 1/10** (2013.01 - EP US); **F25B 2309/061** (2013.01 - EP US); **F25B 2400/14** (2013.01 - EP US); **F25B 2600/2501** (2013.01 - EP US)

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