

Title (en)

Refrigerant system with multi-speed scroll compressor and economizer circuit

Title (de)

Kühlsystem mit Spiralverdichter mit mehreren Geschwindigkeiten und Economizer-Schaltung

Title (fr)

Système réfrigérant à compresseur à spirales à plusieurs vitesses et circuit économiseur

Publication

**EP 1983275 A1 20081022 (EN)**

Application

**EP 07251620 A 20070417**

Priority

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Abstract (en)

A scroll compressor is provided with a multiple-speed motor. A control selects a speed for operating the motor, along with selecting between several available options for the system capacity adjustment to meet external load demands in a most efficient and reliable manner. The disclosed embodiment includes an economizer circuit, an unloader function, and an optional suction modulation valve. By utilizing each of these features in combination with the multi-speed motor for the compressor, the present invention is better able to tailor provided capacity to desired capacity.

IPC 8 full level

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CPC (source: EP US)

**F25B 1/04** (2013.01 - EP); **F25B 41/22** (2021.01 - EP US); **F25B 49/02** (2013.01 - EP US); **F25B 49/025** (2013.01 - EP); **F25B 2400/13** (2013.01 - EP); **F25B 2600/0252** (2013.01 - EP); **F25B 2600/0261** (2013.01 - EP); **F25B 2600/2501** (2013.01 - EP)

Citation (search report)

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