

Title (en)

SUCTION CUTOFF UNLOADER VALVE FOR COMPRESSOR CAPACITY CONTROL

Title (de)

ABSAUGUNGSBEGRENZENDES ENTLADUNGSVENTIL ZUR KOMPRESSORENKAPAZITÄTSSTEUERUNG

Title (fr)

SOUPAPE DE DÉCOMPRESSION À COUPURE D'ASPIRATION POUR COMMANDE DE CAPACITÉ DE COMPRESSEUR

Publication

**EP 2456980 B1 20190626 (EN)**

Application

**EP 10802664 A 20100712**

Priority

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- US 2010041691 W 20100712

Abstract (en)

[origin: WO2011011221A2] A reciprocating compressor includes a first cylinder and a second cylinder, first and second suction cutoff unloader valve assemblies, and a controller. The first and second suction cutoff unloader valve assemblies are integral to the compressor and are capable of a rapid cycling to interrupt flow of refrigerant to the first and second cylinders. The controller operates at least one of the first suction cutoff unloader valve assembly or second suction cutoff unloader valve assembly in the rapid cycling and monitor a number of rapid cycles. In another aspect, a multi-stage compressor comprises a lower pressure stage and a higher pressure stage, and at least one suction cutoff unloader valve assembly capable of a rapid cycling to interrupt flow of refrigerant to a lower stage cylinder.

IPC 8 full level

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CPC (source: EP US)

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