

Title (en)

Variable displacement compressor

Title (de)

Verdichter mit variabler Verdrängung

Title (fr)

Compresseur à déplacement variable

Publication

EP 1970566 A2 20080917 (EN)

Application

EP 08004480 A 20080311

Priority

- JP 2007062027 A 20070312
- JP 2008059227 A 20080310

Abstract (en)

A variable displacement compressor including a rotary shaft, a swash plate, and a rotary support is disclosed. An inclination angle of the swash plate is changed so that the displacement of the compressor is controlled. The rotary support has a first balance weight and an arm. The swash plate has a second balance weight and a support bracket. At least one of the first balance weight, the second balance weight, the arm, and the support bracket has a slope on a leading side in the rotation direction of the rotary shaft. The slope has a leading end. The slope is shaped to descend in the direction of the rotation axis toward the leading end.

IPC 8 full level

F04B 27/10 (2006.01)

CPC (source: EP US)

F04B 27/1072 (2013.01 - EP US); **F04B 27/109** (2013.01 - EP US)

Citation (applicant)

JP 2005023849 A 20050127 - ZEXEL VALEO CLIMATE CONTR CORP

Cited by

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