

Title (en)
Two stage rotary compressor

Title (de)
Zweistufiger Drehkompressor

Title (fr)
Compresseur rotatif à deux étages

Publication
EP 2551526 B1 20190501 (EN)

Application
EP 12167431 A 20120510

Priority
JP 2011165094 A 20110728

Abstract (en)
[origin: EP2551526A2] A two stage rotary compressor (100) of the internal high-pressure type includes a low stage cover (19) that covers a low stage outlet port (16) and forms a low stage discharge space (20) therein. Further, the two stage compressor (100) includes a compression mechanism (3) provided with an intermediate passage (51) that connects the low stage discharge space (20) and the high stage compression chamber (35) and a bypass mechanism (a bypass port (23), a bypass valve (24), and a bypass valve guard (25)) in the low stage cover (19), in which the bypass mechanism opens when a load is smaller than a predetermined load and in which the bypass mechanism connects the low stage discharge space (20) and a discharge pressure space (53).

IPC 8 full level
F04C 18/356 (2006.01); **F04C 23/00** (2006.01); **F04C 28/06** (2006.01); **F04C 28/26** (2006.01)

CPC (source: EP KR)
F04C 18/356 (2013.01 - KR); **F04C 18/3564** (2013.01 - EP); **F04C 23/00** (2013.01 - KR); **F04C 23/001** (2013.01 - EP); **F04C 23/008** (2013.01 - EP); **F04C 28/065** (2013.01 - EP); **F04C 28/26** (2013.01 - EP); **F04C 29/12** (2013.01 - KR)

Cited by
US2020049137A1; US11965498B2

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