

Title (en)  
Dual scroll machine with anti-thrust ring

Title (de)  
Doppel- Spiralverdichter mit einem anti-schub Ring

Title (fr)  
Double machine à spirales avec anneau anti-poussée

Publication  
**EP 1701040 A2 20060913 (EN)**

Application  
**EP 05254846 A 20050803**

Priority  
US 7515405 A 20050308

Abstract (en)  
A compressor system includes a pair of compressors located in a common shell. A common drive shaft drives both compressors and the drive shaft is powered by a single motor. One or both of the compressors can be equipped with a pulse width modulated capacity control system and a vapor injection system. When one compressor is equipped with these systems, the capacity can be varied between 50% and 110%. When both compressors are equipped with these systems, the capacity can be varied between 0% and 120%. When operating in the reduced capacity mode, a biasing member positions the non-orbiting scroll and an anti-thrust ring (400) positions the orbiting scroll to reduce noise created during the operation of the compressor.

IPC 8 full level  
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CPC (source: EP KR US)  
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Citation (applicant)  
• US 5156539 A 19921020 - ANDERSON GARY J [US], et al  
• US 4877382 A 19891031 - CAILLAT JEAN-LUC M [US], et al  
• US 5102316 A 19920407 - CAILLAT JEAN-LUC [US], et al

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