

Title (en)  
SCROLL COMPRESSOR

Title (de)  
SPIRALVERDICHTER

Title (fr)  
COMPRESSEUR À SPIRALE

Publication  
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Application  
**EP 18744823 A 20180117**

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Abstract (en)  
[origin: EP3575601A1] According to a scroll compressor of the present invention, a fixed scroll mirror plate 11a is provided with an intermediate pressure extraction hole 41 through which intermediate pressure of a compression chamber 15 is taken out, an intermediate pressure communication path 42 for bringing the intermediate pressure extraction hole 41 and an intermediate pressure region B into communication with each other is formed in a fixed scroll 11, a high pressure communication path 71 for bringing the intermediate pressure extraction hole 41 and a high pressure space in a hermetic container 1 into communication with each other is formed in the fixed scroll 11, and a balance valve 73 is provided in a high pressure opening 72 of a high pressure communication path 71. According to this, intermediate pressure in mid-flow of compression of the compression chamber 15 is adjusted to predetermined pressure, and a compression ratio of a low compression ratio condition in which an orbiting scroll 12 separates from the fixed scroll 11 can be made small.

IPC 8 full level  
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