

Title (en)  
SCROLL COMPRESSOR

Title (de)  
SPIRALVERDICHTER

Title (fr)  
COMPRESSEUR À SPIRALE

Publication  
**EP 4033101 A1 20220727 (EN)**

Application  
**EP 20864917 A 20200910**

Priority  
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Abstract (en)  
An object of the invention is to achieve both weight reduction and weight balance of an orbiting scroll. A scroll compressor (10) includes a fixed scroll (70) and an orbiting scroll (80) stored in a housing (20), and a pin-and-ring rotation-preventing mechanism (90) that prevents rotation of the orbiting scroll (80). The orbiting scroll (80) includes an orbiting spiral body (82) erected from a first plate surface (81a) of a disk-shaped orbiting end plate (81) toward the fixed spiral body (73). The rotation-preventing mechanism (90) consists of a plurality of circular recessed portions (91) provided in a second plate surface (81b) of the orbiting end plate (81), and a plurality of pins (93) extending from the housing (20) into the plurality of recessed portions (91) to be engaged with the recessed portions (91). The orbiting end plate (81) has, in an outer peripheral surface (81c) thereof, at least one groove (111, 112) that does not communicate with the first plate surface (81a) or the second plate surface (81b) .

IPC 8 full level  
**F04C 18/02** (2006.01)

CPC (source: CN EP)  
**F01C 17/063** (2013.01 - EP); **F04C 18/0215** (2013.01 - CN EP); **F04C 29/00** (2013.01 - CN); **F04C 29/0021** (2013.01 - EP); **F04C 2230/605** (2013.01 - EP); **F04C 2240/20** (2013.01 - CN EP); **F04C 2240/807** (2013.01 - EP)

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