

Title (en)  
SCROLL COMPRESSOR

Title (de)  
SPIRALVERDICHTER

Title (fr)  
COMPRESSEUR À VOLUTES

Publication  
**EP 2713053 A4 20141126 (EN)**

Application  
**EP 12773817 A 20120420**

Priority  
• JP 2011096236 A 20110422  
• JP 2012002731 W 20120420

Abstract (en)  
[origin: EP2713053A1] [Problem] To provide a scroll compressor with which flaking at the portion of a radial bearing that makes contact with a bushing can be avoided, while suppressing an increase in the rolling resistance of the spiral walls of a pair of scroll members even during high-speed rotation. [Solution] A scroll compressor for which a bushing (23) is fitted onto an eccentric shaft (17) provided at the end of a drive shaft (12), with this bushing (23) being supported so as to be capable of relative rotation by a radial bearing (24) provided on a boss part (22b) formed on the back surface of a rotating scroll member (22), and the scroll compressor being equipped with a balance weight (32) that forms one body with the bushing (23), wherein, when the bushing (23) is tilted, the outer circumferential surface of this bushing makes contact with the radial bearing (24) only at the end part on the side where the balance weight (32) is provided. Specifically, the clearance A between the eccentric shaft (17) and the inner circumferential surface of the eccentric hole (23a) of the bushing (23) is less than the clearance C between the radial bearing (24) and the outer circumferential surface of the bushing (23).

IPC 8 full level  
**F04C 18/02** (2006.01); **F01C 21/02** (2006.01); **F04C 29/00** (2006.01)

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Citation (search report)  
• [A] EP 0921316 A1 19990609 - SANDEN CORP [JP]  
• [A] US 2010166589 A1 20100701 - IWANO KIMINORI [JP], et al  
• See references of WO 2012144224A1

Cited by  
US11655819B2; US11098717B2; US2022213894A1; US9670927B2; US11867182B2; DE112019004108B4

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