

Title (en)  
SCROLL COMPRESSOR AND METHOD FOR ASSEMBLING SAME

Title (de)  
SCROLLVERDICHTER UND VERFAHREN ZU DESSEN MONTAGE

Title (fr)  
COMPRESSEUR À SPIRALES ET PROCÉDÉ POUR SON MONTAGE

Publication  
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Application  
**EP 19708450 A 20190226**

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Abstract (en)  
[origin: WO2019179723A1] The invention relates to a scroll compressor (10) with a housing composed of multiple sub-housings (12, 14, 16), comprising - a motor sub-housing (12) which is equipped with a drive motor with a stator (20) fixed to the housing and a coaxial rotor (22) which is fixed to a main shaft (24) mounted on one side of the stator (20) by means of a first main shaft bearing (26), - a bearing sub-housing (14) that adjoins the motor sub-housing (12) on the side facing away from the first main shaft bearing (26) and has a second main shaft bearing (28) and an orbital guide (34) of a first scroll-type displacement device (32), which is eccentrically connected to the main shaft (24) and orbits during a rotation of the main shaft and into which a second scroll-type displacement device (36) fixed to the housing engages axially, and - a housing cover (16) which adjoins the bearing sub-housing (14) and terminates the housing. The invention is characterized in that the second scroll-type displacement device (32) is directly connected to the bearing sub-housing (14).

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Citation (examination)  
• JP H0942174 A 19970210 - MITSUBISHI HEAVY IND LTD  
• US 5632610 A 19970527 - TSUBOKAWA MASAHIRO [JP], et al  
• See also references of WO 2019179723A1

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