

Title (en)

Radial geared compressor with a compressor stage and corresponding mounting method of the compressor stage

Title (de)

Radialer Getriebeverdichter mit einer Verdichterstufe und entsprechendes Verfahren zum Montieren der Verdichterstufe

Title (fr)

Compresseur radial à transmission avec un étage de compression et procédé correspondant de montage de l'étage de compression

Publication

**EP 2643556 A1 20131002 (DE)**

Application

**EP 12702515 A 20120202**

Priority

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Abstract (en)

[origin: WO2012104366A1] The invention relates to a device for adjusting the angle of vanes of an outlet vane device of a compressor and to a method for assembling such a device. The device comprises multiple angularly adjustable vanes (11), each of which is mounted on a shaft (12) in a housing (101). Each shaft (12) has an (adjusting) lever (15) which is guided using a slotted guide (24), said slotted guides (24) being arranged on an adjusting ring (23) such that the angle of the vanes (11) can be adjusted upon adjusting the adjusting ring (23). During the assembly of the device into the housing (101) of the compressor (100) such that the angular adjustment of the outlet vane device (102) is coupled to an inlet vane device (103) of the compressor (100), the vanes (11) are first mounted onto the respective shaft (12), rollers (13) are mounted on the respective (adjusting) lever (15), the slotted guides (24) are mounted onto the adjusting ring (23), and the adjusting ring (23) is mounted onto the inlet vane device (103). The shafts (12) are mounted in the housing (101), and the (adjusting) levers (15) are mounted onto the respective shaft (12). The inlet vane device (103) is then mounted into the housing (101), said rollers (13) being introduced into the respective slotted guide (24), whereby the angular adjustment is coupled.

IPC 8 full level

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Citation (search report)

See references of WO 2012104366A1

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