

Title (en)

Rotary machine core assembly and rotary machine

Title (de)

Kerngehäusebaugruppe einer Rotationsmaschine und Rotationsmaschine

Title (fr)

Assemblage de corps central de machine rotative et machine rotative

Publication

**EP 2752552 B1 20180704 (EN)**

Application

**EP 14163230 A 20120525**

Priority

- EP 14163230 A 20120525
- EP 12169534 A 20120525

Abstract (en)

[origin: EP2666961A1] A rotary machine core assembly (10) comprising a rotor housing (12), first and second endplates (14, 16) and mechanical fixing elements (18a, 18b). The housing defines a trochoid bore (20) and has a plurality of pairs of fixing holes (24a, 24b) provided therein. A first fixing hole (24a) of each pair extends from one side (12a) of the housing and a second fixing hole (24b, 42b) extends from an opposing side (12b) of the housing. Each fixing hole extends part-way into the rotor housing. The fixing holes extend towards each other and have a depth such that their ends are spaced from each other. The endplates (14, 16) are located adjacent respective sides of the housing. Each endplate has a plurality of through holes (30, 32) provided in it which are correspondingly located with the fixing holes on the rotor housing. Each mechanical fixing element is located through a respective through hole in an endplate and is received in the respective fixing hole in the rotor housing.

IPC 8 full level

**F01C 1/22** (2006.01); **F01C 21/10** (2006.01)

CPC (source: EP)

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