

Title (en)

OPPOSED SCREW COMPRESSOR WITH STAGGERED SCREW ROTOR

Title (de)

GEGENLÄUFIGER SCHRAUBENKOMPRESSOR MIT VERSETZTEM SCHRAUBENROTOR

Title (fr)

COMPRESSEUR À VIS OPPOSÉES COMPORTANT UN ROTOR À VIS EN QUINCONCE

Publication

EP 3480468 A2 20190508 (EN)

Application

EP 18203805 A 20181031

Priority

US 201762580719 P 20171102

Abstract (en)

A rotor for use in a fluid machine includes a rotor shaft, a first portion supported by the rotor shaft and having a plurality of first lobes, and a second portion supported by the rotor shaft having a plurality of second lobes. The plurality of first lobes at an inwardly facing end of the first portion is arranged at a stagger angle relative to the plurality of second lobes at an inwardly facing end of the second portion. The stagger angle is greater than zero.

IPC 8 full level

F04C 18/08 (2006.01); **F04C 18/16** (2006.01)

CPC (source: EP US)

F04C 2/16 (2013.01 - US); **F04C 18/084** (2013.01 - EP US); **F04C 18/16** (2013.01 - EP US); **F04C 23/001** (2013.01 - EP US); **F04C 29/0078** (2013.01 - EP US); **F04C 29/0085** (2013.01 - US); **F04C 2240/20** (2013.01 - EP US)

Cited by

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3480468 A2 20190508; **EP 3480468 A3 20190821**; CN 109751241 A 20190514; US 2019128261 A1 20190502

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