

Title (en)

RETURN CHANNELS FOR A MULTI-STAGE TURBOCOMPRESSOR

Title (de)

RÜCKFÜHRSTÖMUNGSKANÄLE FÜR EINEN MEHRSTUFIGEN TURBOVERDICHTER

Title (fr)

CANAUX D'ÉCOULEMENT DE RETOUR POUR TURBOCOMPRESSEUR À PLUSIEURS ÉTAGES

Publication

**EP 3577347 A1 20191211 (DE)**

Application

**EP 18729651 A 20180605**

Priority

- DE 102017114232 A 20170627
- EP 2018064772 W 20180605

Abstract (en)

[origin: CN207406386U] The utility model relates to a geometry characteristics structure and turbine compressor reducer are drawn in returning of turbine compressor reducer draws how much characteristics structures for this time and is used for the flowing of the first and second compressor reducer levels of turbine compressor reducer to connect, wherein, returning and drawing how much characteristics structures and have a plurality of arrangement, part along partial spirals of circumference orientation trend at least along circumference orientation uniform distribution, the at least range selector ground of this part spiral forms the flow path who is used for the connection of flowing of the first and second compressor reducer levels who divides liftoff trend each other. The utility model has the beneficial effects of, according to the utility model discloses a turbine compressor reducer can reduce mobile risk of cutting and minimizing loss of pressure.

IPC 8 full level

**F04D 29/44** (2006.01); **F04D 17/12** (2006.01)

CPC (source: EP US)

**F04D 17/12** (2013.01 - EP); **F04D 17/122** (2013.01 - US); **F04D 29/441** (2013.01 - EP); **F04D 29/444** (2013.01 - EP US);  
**F04D 29/30** (2013.01 - US)

Citation (search report)

See references of WO 2019001910A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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US 11519424 B2 20221206; US 2020080569 A1 20200312; WO 2019001910 A1 20190103

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