

Title (en)

Turbine having cooperating and counter-rotating rotors in a same plane

Title (de)

Turbine mit gleich- und gegenläufigen Rotoren auf derselben Ebene

Title (fr)

Charnière avec déverrouillage automatique mécanique

Publication

EP 2674570 A1 20131218 (EN)

Application

EP 12172086 A 20120614

Priority

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Abstract (en)

The present disclosure relates to turbine comprising a housing having an input port and at least one output port. The turbine also comprises two rotors enclosed within the housing. The rotors counter-rotate within a same plane. In their rotation, the two rotors cooperate to create chambers within the housing. A chamber is created and starts to expand while another chamber having been created earlier continues its own expansion. One of these expanding chambers is connected to the input port. A third chamber is in contact with an output port. The turbine may be used as a compressor, an energy generator, a pump or as a building block of a motor.

IPC 8 full level

F01C 1/08 (2006.01); **F01C 1/12** (2006.01); **F01C 1/24** (2006.01); **F01C 19/08** (2006.01); **F01C 21/18** (2006.01)

CPC (source: EP)

F01C 1/084 (2013.01); **F01C 1/123** (2013.01); **F01C 1/24** (2013.01); **F01C 19/085** (2013.01); **F01C 21/18** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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