Title (en)

ROTARY MACHINE

Title (de)

ROTATIONSMASCHINE

Title (fr)

MACHINE ROTATIVE

Publication

**EP 2276912 A2 20110126 (EN)**

Application

**EP 09728480 A 20090327**

Priority

- JP 2009056929 W 20090327
- JP 2008093753 A 20080331

Abstract (en)

[origin: WO2009123301A2] To reduce the size of a rotary machine and to provide a rotary machine in which it is possible to achieve an improvement in reliability and performance of the rotary machine. A first casing (1) and a second casing (2) formed by dividing a substantially cylindrical casing (101), enclosing in the interior thereof a rotor shaft (4) in which rotor blades (11) are embedded, into two at substantially a central portion relative to an axial direction of the rotor shaft (4) are provided; a first coupling flange (1A) and a second coupling flange (2A) are provided at openings in the first casing (1) and the second casing (2), respectively; a third coupling flange (3A) is provided, which is enclosed by the casing (101), which is positioned at substantially a central portion of the length in the axial direction in a substantially cylindrical blade ring (3) holding stator blades (10) and enclosing the rotor shaft (4), and which holds the blade ring (3); the first casing (1), the second casing (2), and the blade ring (3) being assembled by sandwiching the third coupling flange (3A) between the first coupling flange (1A) and the second coupling flange (2A).

IPC 8 full level

**F01D 25/24** (2006.01); **F01D 25/26** (2006.01)

CPC (source: EP US)

**F01D 25/243** (2013.01 - EP US); **F01D 25/26** (2013.01 - EP US); F05D 2260/30 (2013.01 - EP US)

Citation (search report)

See references of WO 2009123301A2

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