

Title (en)

CENTRIFUGAL COMPRESSOR, SUPERCHARGER, AND METHOD FOR MANUFACTURING CENTRIFUGAL COMPRESSOR

Title (de)

KREISELVERDICHTER, TURBOLADER UND VERFAHREN ZUR HERSTELLUNG DES KREISELVERDICHTERS

Title (fr)

COMPRESSEUR CENTRIFUGE, COMPRESSEUR DE SURALIMENTATION ET PROCÉDÉ DE FABRICATION D'UN COMPRESSEUR CENTRIFUGE

Publication

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Application

EP 18185764 A 20150224

Priority

- JP 2014074071 A 20140331
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- JP 2015055240 W 20150224

Abstract (en)

There is provided a centrifugal compressor (10) including: an impeller (11) that is mounted on a rotor shaft (30), and compresses air flowing in from an intake (11a), and then discharges the compressed air from a discharge port (11b); an air inlet casing (12) that houses the impeller (11); a scroll section (13) which is disposed on an outer peripheral side with respect to the air inlet casing (12), and into which the compressed air discharged from the discharge port (11b) flows; a plurality of partition plates (14) provided on an upstream side in an air circulation direction with respect to the intake (11a), and each having a predetermined length in a direction of an axial line of the rotor shaft (30); and a silencer (15) having a silencer casing (15a) for housing the plurality of partition plates, wherein the plurality of partition plates (14) are radially disposed about the axial line (X), and each are a rolled steel material having a plate thickness of 4 mm or more and 9 mm or less.

IPC 8 full level

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CPC (source: EP KR)

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Citation (applicant)

- JP 2011117417 A 20110616 - MITSUBISHI HEAVY IND LTD
- JP 2001132465 A 20010515 - ISHIKAWAJIMA HARIMA HEAVY IND

Citation (search report)

- [A] DE 10050931 C1 20020814 - MAN B & W DIESEL AG [DE]
- [A] US 2002114693 A1 20020822 - BARTHOLOMA KLAUS [DE], et al
- [A] EP 1860284 A1 20071128 - ABB TURBO SYSTEMS AG [CH]
- [A] US 4181466 A 19800101 - OWEN BRUCE R [US]
- [A] EP 1961936 A1 20080827 - MITSUBISHI HEAVY IND LTD [JP]

Designated contracting state (EPC)

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BA ME

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