

Title (en)

High speed rotor for a vacuum pump

Title (de)

Schnell drehender Rotor für eine Vakuumpumpe

Title (fr)

Rotor tournant rapidement pour une pompe à vide

Publication

EP 2597313 B1 20180725 (DE)

Application

EP 12191948 A 20121109

Priority

DE 102011119506 A 20111126

Abstract (en)

[origin: EP2597313A2] The rotor (10) has a casing (16), a supporting structure i.e. disk-shaped hub (14), and another casing (18) arranged within the former casing, where the casings form a chemically-stable interconnection. The former casing is made of carbon fiber-reinforced material, and the latter casing is made of metal alloy. The latter casing has a helix-like groove on an inner surface, where the former casing and the supporting structure are connected with one another by an adhesive joint. The latter casing and the supporting structure are designed as a single-piece. An independent claim is also included for a vacuum pump.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2896837A3; EP3611381A1; WO2015062909A1; WO2015007598A1

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