

Title (en)

Turbocharger rotor

Title (de)

Rotor für einen Abgasturbolader

Title (fr)

Rotor d'un turbochargeur

Publication

EP 2366870 B1 20150225 (DE)

Application

EP 11157850 A 20110311

Priority

DE 102010011486 A 20100316

Abstract (en)

[origin: EP2366870A2] The rotor (1) has a shaft (3) for supporting a turbine wheel (2) or a compressor wheel, and a porous metallic or ceramic adapter (4) provided between the turbine wheel and the shaft for attaching the turbine wheel and the shaft. The adapter is connected to the turbine wheel and/or the shaft by an infiltration process, where the adapter is annular shaped or disk shaped and integrated into a rear side of the turbine wheel. The shaft has a conically tapered area with an external thread at a free end.

IPC 8 full level

F01D 5/06 (2006.01)

CPC (source: EP US)

F01D 5/025 (2013.01 - EP US); **F01D 5/063** (2013.01 - EP US); **F01D 5/284** (2013.01 - EP US); **F05D 2220/40** (2013.01 - EP US); **F05D 2300/21** (2013.01 - EP US)

Cited by

EP4102029A1; WO2014005906A1; WO2013013755A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

EP 2366870 A2 20110921; **EP 2366870 A3 20121114**; **EP 2366870 B1 20150225**; DE 102010011486 A1 20110922; US 2011229325 A1 20110922

DOCDB simple family (application)

EP 11157850 A 20110311; DE 102010011486 A 20100316; US 201113048467 A 20110315