

Title (en)
TURBOCHARGER WITH A SHAFT COMPRISING A FREE PORTION

Title (de)
TURBOLADER MIT EINER WELLE MIT EINEM FREIEN ANTEIL

Title (fr)
TURBOCOMPRESSEUR AVEC UN ARBRE COMPRENANT UNE PORTION LIBRE

Publication
EP 3538769 A1 20190918 (FR)

Application
EP 17801639 A 20171109

Priority
• EP 16198259 A 20161110
• EP 2017078820 W 20171109

Abstract (en)
[origin: WO2018087262A1] A turbocharger comprising a compressor and a compressor housing (1) surrounding said compressor, a turbine and a turbine housing (2) surrounding said turbine, said compressor housing (1) comprising an inlet and an outlet for the air (4) entering a combustion chamber of an engine, said turbine housing (2) comprising an inlet and an outlet for the exhaust gases (5), a shaft (3) linking said turbine and said compressor, at least one bearing for supporting and guiding the rotation of said shaft (3), said turbocharger comprising attachment means (6, 7a, 7b) for attaching the turbine housing (2) to the compressor housing (1), said shaft (3) comprising a free portion (8) between the two housings (1, 2), said attachment means (6, 7a, 7b) being suitable for allowing the passage of a flow of air circulating along said free portion (8) and around said turbine housing (2) and compressor housing (1).

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)
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