

Title (en)

Turbocharger for a slow speed diesel engine

Title (de)

Aufladegruppe für einen Grossdieselmotor

Title (fr)

Groupe de suralimentation pour un gros moteur diesel

Publication

EP 1061265 B1 20051214 (DE)

Application

EP 00810411 A 20000515

Priority

- EP 00810411 A 20000515
- EP 99810521 A 19990614

Abstract (en)

[origin: EP1061265A1] The blower group has a compressor (2), which supplies air to the motor cylinders. The compressor has an impeller (21) rotating about an axle (A) to compress the air. A turbine drives the impeller and is driven by exhaust gases from the cylinders. A diffuser (4) connected to the compressor outlet (23) reduces the flow speed of the compressed air. The compressor outlet is arranged at a higher level, on or above the compressor axle. An Independent claim is included for a large diesel motor incorporating the blower group.

IPC 1-7

F04D 29/44; F04D 25/04

IPC 8 full level

F02B 39/00 (2006.01); **F02B 33/44** (2006.01); **F02B 37/00** (2006.01); **F02B 41/00** (2006.01); **F04D 25/04** (2006.01); **F04D 29/44** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP KR)

F04D 29/44 (2013.01 - KR); **F04D 29/441** (2013.01 - EP); **F02B 3/06** (2013.01 - EP); **F02F 2007/0097** (2013.01 - EP); **F05D 2250/52** (2013.01 - EP)

Cited by

CN100404878C; EP2918790A1; WO2020057855A1; EP3036441B1

Designated contracting state (EPC)

DE DK FR IT

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EP 1061265 A1 20001220; **EP 1061265 B1 20051214**; CN 1175189 C 20041110; CN 1277317 A 20001220; DE 50011843 D1 20060119; DK 1061265 T3 20060206; JP 2001020747 A 20010123; KR 100659677 B1 20061221; KR 20010007159 A 20010126; PL 340532 A1 20001218

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