

Title (en)
TURBO CHARGER FOR AN INTERNAL-COMBUSTION ENGINE

Publication
EP 0096624 B1 19850814 (FR)

Application
EP 83401067 A 19830526

Priority
FR 8209652 A 19820603

Abstract (en)
[origin: US4519211A] This device comprises a turbocompressor C whose turbine 7 has a scroll 8a connected to two pipes 5, 6 each connected to the exhaust of a group of cylinders of the engine. The inlet of the scroll is divided by a partition 10 into two conduits 11, 12 which extend the two pipes 5, 6. A regulating flap 15 is provided and constitutes a movable wall of the scroll and includes two extensions 18, 19 which extend on each side of the partition 10 into the conduits 11, 12. This arrangement avoids the phenomenon of a counter-scavenging in the cylinders of the engine and improves the efficiency of the turbine.

IPC 1-7
F01D 17/14; F02B 37/00

IPC 8 full level
F02B 37/12 (2006.01); **F01D 17/14** (2006.01); **F02B 37/00** (2006.01); **F02B 37/22** (2006.01)

CPC (source: EP US)
F01D 17/146 (2013.01 - EP US)

Cited by
US4729715A; GB2178111A; GB2178111B; EP0240381A1; FR2595118A1; US4776757A; WO2006036134A1; WO9421896A1

Designated contracting state (EPC)
AT DE GB IT

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EP 0096624 A1 19831221; EP 0096624 B1 19850814; AT E14911 T1 19850815; DE 3360566 D1 19850919; FR 2528112 A1 19831209; FR 2528112 B1 19860411; JP H0239614 B2 19900906; JP S59535 A 19840105; US 4519211 A 19850528

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EP 83401067 A 19830526; AT 83401067 T 19830526; DE 3360566 T 19830526; FR 8209652 A 19820603; JP 9925183 A 19830603; US 49869683 A 19830527