

Title (en)

METHOD AND ARRANGEMENT FOR IMPROVING LOAD ACCEPTANCE OF PISTON ENGINE

Title (de)

VERFAHREN UND ANORDNUNG ZUR VERBESSERUNG DER LASTAUFNAHME EINES KOLBENMOTORS

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT D'AUGMENTER LA RESISTANCE A LA CHARGE D'UN MOTEUR A PISTON

Publication

EP 1886006 A4 20101208 (EN)

Application

EP 06743571 A 20060602

Priority

- FI 2006050230 W 20060602
- FI 20055276 A 20050602

Abstract (en)

[origin: WO2006128974A1] A method of increasing load-bearing capacity of a piston engine (1) having a turbo compressor (2) when increasing the load. In the method, combustion air is introduced into the compressor (3), pressurized combustion air is introduced into a flow plenum (6) on the pressure side of the compressor (3), pressurized combustion air is introduced from the flow plenum (6) into the cylinders (10) of the engine (1) and fuel is combusted in the cylinders (10) With the combustion air. In the method, pressurized additional air is simultaneously introduced to both the compressor (3) and the flow plenum (6).

IPC 8 full level

F02B 29/00 (2006.01); **F02B 37/00** (2006.01); **F02B 37/04** (2006.01); **F02B 37/10** (2006.01); **F02B 37/14** (2006.01); **F02D 23/00** (2006.01); **F02M 23/08** (2006.01); **F02M 35/112** (2006.01)

IPC 8 main group level

F02M (2006.01)

CPC (source: EP FI)

F02B 37/04 (2013.01 - EP FI); **F02B 37/10** (2013.01 - EP); **F02B 37/14** (2013.01 - EP); **F02B 21/00** (2013.01 - EP); **Y02T 10/12** (2013.01 - EP)

Citation (search report)

- [Y] FR 2396869 A1 19790202 - ALSACIENNE CONSTR MECA [FR]
- [Y] DE 3737743 A1 19890518 - MARINETECHNIK GMBH [DE]
- [A] DE 19913157 A1 20001005 - THIES THEODOR [DE]
- [A] DE 3910928 A1 19901011 - MARINETECHNIK GMBH [DE]
- [A] DE 19903579 A1 20000803 - DAIMLER CHRYSLER AG [DE]
- [A] WO 03095812 A1 20031120 - DAIMLER CHRYSLER AG [DE], et al
- See references of WO 2006128974A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006128974 A1 20061207; EP 1886006 A1 20080213; EP 1886006 A4 20101208; FI 20055276 A0 20050602; FI 20055276 L 20061203

DOCDB simple family (application)

FI 2006050230 W 20060602; EP 06743571 A 20060602; FI 20055276 A 20050602