

Title (en)
PRESSURE WAVE SUPERCHARGER

Publication
EP 0266636 B1 19911227 (DE)

Application
EP 87115465 A 19871022

Priority
CH 428086 A 19861029

Abstract (en)
[origin: US4808082A] In this pressure wave supercharger, the driving belt pulley (19) for the rotor having a freewheel clutch (23) and rolling contact bearings (22) provided on both sides of the same are supported on the rotor shaft (18+20). With respect to the operation of the pressure wave supercharger, this provides the advantages of drive by the engine with constant engine/rotor transmission ratio and of a free-running rotor driven by the gas forces alone.

IPC 1-7
F02B 33/42; **F02B 39/12**

IPC 8 full level
F02B 33/42 (2006.01); **F02B 39/12** (2006.01)

CPC (source: EP KR US)
F02B 33/00 (2013.01 - KR); **F02B 33/42** (2013.01 - EP US); **F02B 39/12** (2013.01 - EP US)

Citation (examination)
G. Niemann, "Maschinenelemente", Band III, 2. Auflage, Seiten 275 und 278, Springer-Verlag 1986

Cited by
DE4201423A1; DE3923370A1; EA013950B1

Designated contracting state (EPC)
AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)
EP 0266636 A1 19880511; **EP 0266636 B1 19911227**; AT E70894 T1 19920115; DE 3775521 D1 19920206; JP 2647394 B2 19970827; JP S63117123 A 19880521; KR 880005345 A 19880628; US 4808082 A 19890228

DOCDB simple family (application)
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