

Title (en)
MECHANICAL SUPERCHARGER

Title (de)
MECHANISCHER LADER

Title (fr)
COMPRESSEUR MECANIQUE

Publication
EP 1337768 A1 20030827 (DE)

Application
EP 01995671 A 20011127

Priority
• DE 10059069 A 20001128
• EP 0113843 W 20011127

Abstract (en)
[origin: WO0244586A1] The invention relates to a mechanical supercharger (1) for internal combustion engines for delivering induction air under an increased pressure and with an increased density in a combustion chamber of the internal combustion engine. The inventive mechanical supercharger is comprised of a compressor unit (3) having a compressor impeller for compressing the induction air, of a clutch (2) for connecting the engine crankshaft drive, and of a high ratio gearing (4) for transferring the rotary motion of the engine crankshaft drive to the compressor impeller, whereby the gearing is provided in the form of a circular sliding gear drive (4).

IPC 1-7
F16H 1/28; **F16H 1/32**; **F16H 21/14**; **F02B 39/00**

IPC 8 full level
F02B 39/00 (2006.01); **F02B 39/04** (2006.01); **F02B 39/12** (2006.01); **F16H 1/32** (2006.01)

CPC (source: EP US)
F02B 39/00 (2013.01 - EP US); **F02B 39/04** (2013.01 - EP US); **F02B 39/12** (2013.01 - EP US); **F16H 1/32** (2013.01 - EP US)

Citation (search report)
See references of WO 0244586A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0244586 A1 20020606; AU 2635702 A 20020611; CN 1234977 C 20060104; CN 1478184 A 20040225; DE 10059069 A1 20020620; EP 1337768 A1 20030827; JP 2004530070 A 20040930; US 2004231649 A1 20041125

DOCDB simple family (application)
EP 0113843 W 20011127; AU 2635702 A 20011127; CN 01819668 A 20011127; DE 10059069 A 20001128; EP 01995671 A 20011127; JP 2002546095 A 20011127; US 43275003 A 20031103