

Title (en)
COMPRESSED AIR ROTARY ENGINE

Title (de)
DRUCKLUFTROTATIONSMOTOR

Title (fr)
MOTEUR ROTATIF A AIR COMPRIME

Publication
EP 1649142 A1 20060426 (FR)

Application
EP 04767760 A 20040722

Priority
• FR 2004001961 W 20040722
• FR 0309196 A 20030724

Abstract (en)
[origin: WO2005010322A1] The invention relates to a compressed air engine comprising a stator (1) and a rotor (2), cylinders and concentrics describing a volume chamber (V), at least one pipe (P) for supplying compressed air to at least one decompression chamber (Va) belonging to said volume (V) and defined by a piston (7) and retractable bottom (8) and at least one pipe (6) for removing residual air (R) at the end of a decompression cycle. The inventive engine is characterised in that each air supply pipe (5) is connected to means for injecting a defined quantity and volume of compressed air into the decompression chamber when the piston (7) moves on the supply pipe (5).

IPC 1-7
F01C 11/00

IPC 8 full level
F01C 1/356 (2006.01); **F01C 11/00** (2006.01); **F01C 21/08** (2006.01); **F01C 21/18** (2006.01); **F04C 2/46** (2006.01)

CPC (source: EP)
F01C 1/356 (2013.01); **F01C 11/002** (2013.01); **F01C 21/0809** (2013.01); **F01C 21/0836** (2013.01); **F01C 21/0845** (2013.01); **F01C 21/18** (2013.01); **F04C 2/46** (2013.01)

Citation (search report)
See references of WO 2005010322A1

Cited by
CN108625901A; CN108800082A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005010322 A1 20050203; AT E422601 T1 20090215; CN 1829854 A 20060906; CN 1829854 B 20100505; DE 602004019421 D1 20090326; EP 1649142 A1 20060426; EP 1649142 B1 20090211

DOCDB simple family (application)
FR 2004001961 W 20040722; AT 04767760 T 20040722; CN 200480021456 A 20040722; DE 602004019421 T 20040722; EP 04767760 A 20040722