

Title (en)
MOTOR-COMPRESSOR UNIT

Title (de)
MOTOR-VERDICHTER-EINHEIT

Title (fr)
UNITÉ MOTEUR-COMPRESSEUR

Publication
EP 3214262 B1 20220420 (DE)

Application
EP 17158650 A 20170301

Priority
DE 102016103615 A 20160301

Abstract (en)
[origin: US2017254320A1] An engine compressor unit including at least one rotary engine; and at least one rotary compressor for compressing at least one gaseous fluid; the rotary engine including an engine housing including at least one engine ring that is rotatably supported in the engine housing about an engine axis, at least one engine cylinder that is arranged in the engine ring, wherein an engine piston is arranged in the at least one engine cylinder so that the engine piston defines a combustion chamber of the at least one engine cylinder together with a wall of the at least one engine cylinder, wherein the engine piston is supported in the at least one engine cylinder by an engine connecting rod so that the engine piston is movable in the at least one engine cylinder in a linear manner.

IPC 8 full level
F04B 27/04 (2006.01); **F01B 13/06** (2006.01); **F02B 57/08** (2006.01); **F02B 63/06** (2006.01); **F04B 27/053** (2006.01); **F04B 27/06** (2006.01); **F04B 35/00** (2006.01); **F04B 35/06** (2006.01)

CPC (source: EP US)
F01B 13/068 (2013.01 - EP US); **F02B 57/08** (2013.01 - EP US); **F02B 63/06** (2013.01 - EP US); **F04B 27/0409** (2013.01 - EP); **F04B 27/0423** (2013.01 - EP); **F04B 27/0472** (2013.01 - US); **F04B 27/053** (2013.01 - EP US); **F04B 27/065** (2013.01 - EP US); **F04B 27/0657** (2013.01 - US); **F04B 35/002** (2013.01 - EP US); **F04B 35/06** (2013.01 - EP)

Citation (examination)
• US 1742706 A 19300107 - OTTO HERMANN
• US 1586775 A 19260601 - BOWMAN OLIVER S
• US 2661699 A 19531208 - SMITH WILLIAM W
• US 4073216 A 19780214 - DAVIS GILBERT E

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3214262 A2 20170906; **EP 3214262 A3 20171122**; **EP 3214262 B1 20220420**; DE 102016103615 B3 20170824; US 10598168 B2 20200324; US 2017254320 A1 20170907

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EP 17158650 A 20170301; DE 102016103615 A 20160301; US 201715446167 A 20170301