

Title (en)

ROTARY PISTON MACHINE, ESPECIALLY ROTARY ENGINE

Title (de)

ROTATIONSKOLBENMASCHINE, INSBESONDERE KREISKOLBENMOTOR

Title (fr)

MACHINE À PISTON ROTATIF, EN PARTICULIER MOTEUR À PISTON ROTATIF

Publication

EP 2643553 B1 20170329 (DE)

Application

EP 11788378 A 20111124

Priority

- AT 19692010 A 20101125
- AT 19622010 A 20101125
- EP 2011005925 W 20111124

Abstract (en)

[origin: WO2012069198A1] A rotary piston machine comprises a housing (10); a piston chamber (12) defined in the housing (10) by a first sidewall (14), a second sidewall (16) and a peripheral wall (18) interconnecting the sidewalls; a rotary piston (28) having a first face (29) and a second face (30) and being rotatably mounted in the piston chamber (12), the first face (29) of the rotary piston (28) facing an interior (15) of the first sidewall (14) of the piston chamber (12) and the second face (30) of the rotary piston (28) facing an interior (17) of the second sidewall (16) of the piston chamber (12), and at least two working chambers (34) being formed between a peripheral surface (31) of the rotary piston (28) and the peripheral wall (18) of the piston chamber (12). Furthermore at least one first lateral seal (36, 37) is provided on the first and the second face (29, 30) of the rotary piston (28) and preferably at least one second lateral seal (38, 39, 40, 41) on the first and second face (29, 30) of the rotary piston (28), the at least one second lateral seal (38, 39, 40, 41) being radially arranged within the at least one first lateral seal (36, 38).

IPC 8 full level

F01C 1/22 (2006.01); **F01C 19/12** (2006.01)

CPC (source: EP US)

F01C 1/22 (2013.01 - EP US); **F01C 19/02** (2013.01 - EP US); **F01C 19/12** (2013.01 - EP US); **F04C 2/00** (2013.01 - US); **F02B 55/06** (2013.01 - US); **F02B 2053/005** (2013.01 - US)

Citation (examination)

- DE 2344198 A1 19750306 - FICHTEL & SACHS AG
- US 2005186102 A1 20050825 - BAIER WOLFGANG [DE], et al

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