

Title (en)

Rotary piston machine with silencer

Title (de)

Trockenlaufende Drehkolbenmaschine mit Reaktionsschalldämpfer

Title (fr)

Machine à pistons rotatifs avec dispositif silencieux

Publication

EP 1857682 B1 20160504 (DE)

Application

EP 06010289 A 20060518

Priority

EP 06010289 A 20060518

Abstract (en)

[origin: EP1857682A1] Rotating piston machine (10) comprises a reaction sound absorber (50) which is divided by separating walls (55) into chamber parts (51b-e) and an inner tube (52b, 52e) passing through each chamber part to feed gas through the sound damping chamber. Slots (54) are arranged on the inner tube. Preferred Features: The slots are separated in the peripheral direction by bars. The ratio of the bar surface to the slot surface is less than 30%, preferably less than 25%.

IPC 8 full level

F04C 29/06 (2006.01)

CPC (source: EP)

F04C 29/061 (2013.01); **F04C 2220/12** (2013.01)

Cited by

CN103603795A; US2012020824A1; CN107170436A

Designated contracting state (EPC)

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DOCDB simple family (publication)

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