

Title (en)

Rotary piston compressor and process to use it

Title (de)

Drehkolbenverdichter und Verfahren zum Betreiben eines Drehkolbenverdichters

Title (fr)

Compresseur à piston rotatif et procédé pour sa mise en oeuvre

Publication

EP 1640613 A1 20060329 (DE)

Application

EP 04022170 A 20040917

Priority

EP 04022170 A 20040917

Abstract (en)

The operating process is for a rotary piston compressor (1) with rotors (10, 20) to compressed gas. The gas-dynamic impact is created in a feed chamber (4) between its inflow side (4') and outflow side (4''). The closing time from the separation of the feed chamber from the volume enlargement region (V) is measured so that the filling of the feed chamber is increased by the impact charge.

IPC 8 full level

F04C 18/12 (2006.01); **F04C 29/12** (2006.01)

CPC (source: EP US)

F04C 18/126 (2013.01 - EP US)

Citation (search report)

- [A] DE 3321992 A1 19840301 - LUFT U KAELETETECHNIK VEB K [DD]
- [A] DE 19819538 A1 19991111 - RIETSCHE WERNER GMBH & CO KG [DE]
- [A] US 3141604 A 19640721 - WILLIAMS RAYMOND F
- [A] US 4923374 A 19900508 - LUNDIN STIG [SE], et al

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)

EP 1640613 A1 20060329; EP 1640613 A8 20060705; EP 1640613 B1 20061129; AT E347036 T1 20061215; DE 502004002191 D1 20070111; DK 1640613 T3 20070326; ES 2276204 T3 20070616; PL 1640613 T3 20070430; US 2006067835 A1 20060330

DOCDB simple family (application)

EP 04022170 A 20040917; AT 04022170 T 20040917; DE 502004002191 T 20040917; DK 04022170 T 20040917; ES 04022170 T 20040917; PL 04022170 T 20040917; US 22823805 A 20050919