

Title (en)
Rotary Machine

Title (de)
Rotationsmaschine

Title (fr)
Machine rotative

Publication
EP 2192265 A2 20100602 (EN)

Application
EP 09460053 A 20091123

Priority
PL 38661908 A 20081127

Abstract (en)
Machine with a rotor, powered by a pneumatic medium, built of a cylindrical body (3) together with concentrically placed shaft, onto which a rotor (1) is placed and sealed together in the body (3). Rotor (1) has a cylindrical shape, and three projections (2) of an involute shape and are sealed in the cylindrical shape of the body (3). In the body, some holes are drilled, acting as inflow (4) and outflow (5) nozzles of the pneumatic medium. Between the nozzles, there are some rotating sealing discs (6) placed symmetrically. The rotational speed of those sealing discs is synchronized with those of the machine's main shaft and hence, with the rotor (1), but their directions are contrary.

IPC 8 full level
F01C 1/46 (2006.01)

CPC (source: EP)
F01C 1/46 (2013.01); **F01C 21/0809** (2013.01)

Citation (applicant)

- PL 61652 Y1 20051031 - WSPORNIKOW EUR NEPA SP Z OO FA [PL]
- PL 76238 B2 19750228
- PL 94611 B1 19770831
- PL 99054 B1 19780630

Cited by
CN103061822A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2192265 A2 20100602; PL 214371 B1 20130731; PL 386619 A1 20100607

DOCDB simple family (application)
EP 09460053 A 20091123; PL 38661908 A 20081127