

Title (en)
Rotor for a vacuum pump

Title (de)
Rotor für eine Vakuumpumpe

Title (fr)
Rotor pour une pompe à vide

Publication
EP 2375074 B1 20171108 (DE)

Application
EP 11001295 A 20110217

Priority
DE 102010012759 A 20100325

Abstract (en)
[origin: EP2375074A2] The rotor has a piston (38) comprising cover plates (42, 44) that are connected with a front end of a cladding body (40). The cover plates include respective transition plates (422, 442) that are connected with respective closing plates (420, 440) by a screw (60). The screw is held in an element that provides relative movements between the closing and transition plates. The transition plates are made of metal. The cover plates and the cladding body are made of fiber-reinforced composite material. The closing plates und the cladding body are vacuum-tightly connected with one another. An independent claim is also included for a vacuum pump comprising a cladding body.

IPC 8 full level
F04C 18/12 (2006.01); **F04C 25/02** (2006.01)

CPC (source: EP)
F04C 18/126 (2013.01); **F04C 25/02** (2013.01); **F04C 2240/20** (2013.01)

Cited by
EP2924293A3

Designated contracting state (EPC)
AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)
EP 2375074 A2 201111012; EP 2375074 A3 20141112; EP 2375074 B1 20171108; DE 102010012759 A1 20110929;
DE 102010012759 B4 20180621

DOCDB simple family (application)
EP 11001295 A 20110217; DE 102010012759 A 20100325