

Title (en)  
HIGH-VACUUM PUMP

Publication  
**EP 0260733 B1 19910313 (EN)**

Application  
**EP 87201531 A 19870812**

Priority  
NL 8602052 A 19860812

Abstract (en)  
[origin: EP0260733A1] A high-vacuum pump comprising a rotor (1) arranged for high-speed rotation around a longitudinal shaft, the rotor and the stator being each built up, through part of their length, of one or more coaxial sleeves or pipes (8, 9, 12, 14, 17) of different diameters and having one free end, the systems of rotor pipes and stator sleeves being mutually oppositely directed and fittingly disposed one within the other, so that a pipe of the system of rotor pipes is disposed between two pipes or between one pipe and the wall of the system of stator sleeves, and at least one of each pair of closely-spaced opposing surfaces of stator pipe or wall and rotor pipe or wall being provided with a helical or spiral-shaped groove (13, 15, 16, 18, 19).

IPC 1-7  
**F04D 19/04**

IPC 8 full level  
**F04D 19/04** (2006.01)

CPC (source: EP)  
**F04D 19/044** (2013.01)

Cited by  
US7134835B2; EP0779434A1; US5772395A; EP1363027A1; EP0805275A3; GB2226081A; EP1101945A3; EP1318308A3; JPH01124396U; DE19756837A1; DE19756837C2; US5154572A; DE19632375A1; US5893702A; EP1318309A3; US6779969B2; EP3657021A1; JP2020094582A; WO2022112745A1; WO2006089823A1; WO03031823A1; JP2015025453A; EP2829734B1

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