

Title (en)

MULTI-SHAFT VACUUM PUMP WITH CIRCULAR TRANSALTION CYCLE

Title (de)

VAKUUMPUMPE MIT MEHREREN WELLEN UND MIT ZYKLISCHER ÜBERTRAGUNG

Title (fr)

POMPE À VIDE À CYCLE DE TRANSLATION CIRCULAIRE À PLUSIEURS ARBRES

Publication

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Application

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Abstract (en)

[origin: US2008193311A1] The invention relates to a vacuum pump comprising: a fixed disc ( 8 ) which is solidly connected to a fixed body ( 2 ) and which is equipped with a spiral-shaped element ( 14 ); a movable disc ( 4 ) facing the fixed disc ( 8 ) and having a spiral-shaped element ( 16 ) which is interleaved with the spiral ( 14 ) of the fixed disc ( 8 ); a connection between the fixed body ( 2 ) and the movable disc ( 4 ), which is provided with at least two cranks ( 18 ) each comprising two shafts ( 26, 28 ) that are displaced with the same eccentricity; and motor means ( 6 ) which are used to drive the movable disc ( 4 ) in a circulation translational motion and which comprise a motor ( 6 ) having an output shaft ( 30 ) which is parallel to the axes of the discs, said output shaft ( 30 ) of the motor ( 6 ) being centred on the axis of the movable disc ( 4 ) and driving same with the aid of a coupling piece ( 32 ) having the same eccentricity as the cranks ( 18 ).

IPC 8 full level

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