

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

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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).

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