

Title (en)

OSCILLATING-PISTON DRIVE FOR A VACUUM PUMP AND AN OPERATING METHOD FOR SAID DRIVE

Title (de)

SCHWINGKOLBENANTRIEB FÜR EINE VAKUUMPUMPE SOWIE BETRIEBSVERFAHREN FÜR DIESEN ANTRIEB

Title (fr)

ORGANE DE COMMANDE A PISTON OSCILLANT POUR UNE POMPE A VIDE ET PROCEDE DE FONCTIONNEMENT DUDIT ORGANE DE COMMANDE

Publication

EP 1432912 A1 20040630 (DE)

Application

EP 02777257 A 20020928

Priority

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- EP 0210921 W 20020928

Abstract (en)

[origin: DE10149506A1] The oscillatory piston drive has a drive magnet (11) between two sections (3,4) of the vacuum pump piston (2), displaced within an annular space (12) between the corresponding cylinder sections (8,9), aligned with a central yoke fitted between outer yoke sections (17,18), each having an associated electromagnetic coil (15,16). The annular space is peripherally defined by a split sleeve (34) of a ferromagnetic material. An Independent claim for an operating method for an oscillatory piston drive is also included.

IPC 1-7

F04B 35/04

IPC 8 full level

F04B 35/04 (2006.01)

CPC (source: EP US)

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