

Title (en)  
MULTI-STAGE FRICTION VACUUM PUMP

Title (de)  
MEHRSTUFIGE REIBUNGSVAKUUMPUMPE

Title (fr)  
POMPE À VIDE À FROTTEMENT À PLUSIEURS ÉTAGES

Publication  
**EP 1706645 A1 20061004 (DE)**

Application  
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Priority  
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Abstract (en)  
[origin: WO2005047707A1] The invention relates to a multi-stage vacuum pump comprising at least one turbocompressor stage (11) and equipped with a circular compressor stage (33) on the pressure side of the turbocompressor stage. Said pump has small axial dimensions, enabling the compression to be increased without significantly increasing the space requirement.

IPC 8 full level  
**F04D 19/04** (2006.01); **F04D 17/12** (2006.01); **F04D 17/16** (2006.01)

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**WO 2005047707 A1 20050526**; CA 2545566 A1 20050526; CN 100453817 C 20090121; CN 1878962 A 20061213; DE 10353034 A1 20050609; DE 502004008709 D1 20090129; EP 1706645 A1 20061004; EP 1706645 B1 20081217; JP 2007510853 A 20070426; US 2007081889 A1 20070412

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