

Title (en)
VACUUM PUMPING ARRANGEMENT

Title (de)
VAKUUMPUMPE

Title (fr)
DISPOSITIF DE POMPAGE SOUS VIDE

Publication
EP 1576292 B1 20080305 (EN)

Application
EP 03786101 A 20031209

Priority
• GB 0305375 W 20031209
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Abstract (en)
[origin: US2006140794A1] A vacuum pumping arrangement comprises a drive shaft, a motor for driving said drive shaft, a molecular pumping mechanism and a regenerative pumping mechanism. The drive shaft is arranged for simultaneously driving the molecular pumping mechanism and the regenerative pumping mechanism. The drive shaft is supported by a lubricant free bearing associated with the molecular pumping mechanism.

IPC 8 full level
F04D 27/00 (2006.01); **F04D 19/04** (2006.01); **F04D 23/00** (2006.01); **F04D 27/02** (2006.01); **F04D 29/04** (2006.01); **F04D 29/058** (2006.01)

CPC (source: EP US)
F04D 17/168 (2013.01 - EP US); **F04D 19/048** (2013.01 - EP US); **F04D 23/008** (2013.01 - EP US); **F04D 29/058** (2013.01 - EP US)

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EP2253851A2; DE102009021642A1; DE102009021642B4

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2004055376 A2 20040701; **WO 2004055376 A3 20040805**; AT E388328 T1 20080315; AU 2003295101 A1 20040709; DE 60319585 D1 20080417; DE 60319585 T2 20090326; EP 1576292 A2 20050921; EP 1576292 B1 20080305; GB 0229356 D0 20030122; JP 2006509952 A 20060323; TW 200417690 A 20040916; US 2006140794 A1 20060629

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