

Title (en)
VACUUM PUMP

Title (de)
VAKUUMPUMPE

Title (fr)
POMPE À VIDE

Publication
EP 2715139 A4 20141217 (EN)

Application
EP 12793624 A 20120529

Priority
• JP 2011123980 A 20110602
• JP 2012064346 W 20120529

Abstract (en)
[origin: WO2012165645A1] A vacuum pump (10) includes a pump casing (56) having an inlet port (54a), an outlet port (54b), and pump chambers (50a-50f) defined therein, rotational shafts 60 having opposite ends rotatably supported by bearings (84a, 84b) on the pump casing (56) and extending longitudinally in the pump casing (56), and rotors (62a-62f) housed in the pump chambers (50a-50f) and coupled to the rotational shafts (60) for rotation in unison with the rotational shafts (60). The pump casing (56) has an atmosphere-vented compartment (52) defined therein which is held in fluid communication with the outlet port (54b) of the pump casing (56) and vented to the atmosphere.

IPC 8 full level
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F04C 13/007 (2013.01 - US); **F04C 18/126** (2013.01 - EP US); **F04C 18/18** (2013.01 - KR); **F04C 23/00** (2013.01 - KR);
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F04C 2220/30 (2013.01 - EP US); **F04C 2220/40** (2013.01 - EP US); **F04C 2240/30** (2013.01 - EP US); **F04C 2280/02** (2013.01 - EP US)

Citation (search report)
• [XY] WO 2011019048 A1 20110217 - ULVAC INC [JP], et al
• [YA] WO 2010134427 A1 20101125 - MITSUBISHI HEAVY IND LTD [JP], et al
• See references of WO 2012165645A1

Designated contracting state (EPC)
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