

Title (en)
VACUUM PUMP

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Application
EP 15741278 A 20150717

Priority
• GB 201412924 A 20140721
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Abstract (en)
[origin: GB2528450A] Disclosed is a multi-stage vacuum pump comprising: first and second half-shell stator components 102, 104 and first and second end stator components 122, 124 which when assembled define a plurality of pumping chambers 106, 108, 110, 112, 114, 116. The half-shell components are assembled together along respective pairs of mutually engaging longitudinal faces 12 and the end stator components are assembled at the ends of the half-shell components at respective pairs of mutually engaging end faces 18. An annular channel 22 is counter-sunk in at least one end face of each pair of mutually engaging end faces for receiving sealing members 34 for sealing between the half-shell components and the end stator components. Recesses 20 are counter-sunk at the end portions of the longitudinal faces for receiving a sealant and supports 24 provide support for the annular sealing members at the recesses when the annular sealing members are received in the annular channels to resist protrusion of the annular sealing members into the recesses when compressed between mutually engaging end faces.

IPC 8 full level
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Cited by
FR3107933A1; WO2021175680A1

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