

Title (en)
DRY VACUUM PUMP

Title (de)
TROCKENVAKUUMPUMPE

Title (fr)
POMPE À VIDE SÈCHE

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Application
EP 16790952 A 20161031

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Abstract (en)
[origin: WO2017076803A1] The invention relates to a dry vacuum pump, comprising a pump housing, which forms a plurality of suction chambers, wherein rotor elements are arranged in the suction chambers, in order to convey a pump medium from a high-vacuum-side inlet to an outlet. At least one rotor element is arranged in each suction chamber. The rotor elements are connected to a rotor shaft. The rotor shaft is supported by bearings, wherein a high-vacuum-side bearing is arranged in a cut-out. A sealing device is arranged between the high-vacuum-side bearing and at least one suction chamber adjacent to the high-vacuum-side bearing. The cut-out is connected, by means of a first channel, to a region of the dry vacuum pump in which there is a higher pressure than in at least one suction chamber adjacent to the high-vacuum-side bearing.

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