

Title (en)
MULTI-INLET VACUUM PUMP

Title (de)
MULTI-INLET-VAKUUMPUMPE

Title (fr)
POMPE À VIDE À PLUSIEURS ENTRÉES

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Application
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Abstract (en)
[origin: WO2010097384A2] The invention relates to a multi-inlet vacuum pump having a first pump device (10) provided with a first rotor element (18) comprising several first rotor disks (20) which are arranged successively in the conveying direction (36), and a second pump device (12) provided with a second rotor element (26) comprising several second rotor disks (28) which are arranged successively in the conveying direction (36). The diameter of the second rotor disks (28) is at least partially greater than the diameter of the first rotor disks (20). The claimed multi-inlet vacuum pump also comprises a main inlet (32) through which a first fluid flow (34) is suctioned by the first pump device (10) and is conveyed in the direction of the second pump device (12). Furthermore, said pump comprises an intermediate inlet (38) through which a second fluid flow (40) is suctioned by the second pump device (12) and is conveyed in the direction of a pump outlet. Both fluid flows (34, 40) are joined inside the second pump device (12), in particular between two adjacent rotor disks (28) of the second pump device (12).

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