

Title (en)
MEMBRANE PUMP

Title (de)
MEMBRANPUMPE

Title (fr)
POMPE À MEMBRANE

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Application
EP 16754323 A 20160706

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Abstract (en)
[origin: WO2017006255A1] A membrane pump (100; 101) comprising: a pump body (6) having a working chamber (16); a head (5), having a distribution chamber (15), said pump body (6) and said head (5) being coupled at a coupling surface (S) to delimit a pumping chamber (L) formed between a terminal wall (36) of said pump body (6) and a terminal wall (35) of said head (5); and at least one membrane (4) positioned, or positionable, in the pumping chamber (L) at said coupling surface (S) configured to separate said working chamber (16) from said distribution chamber (15), said membrane (4) being shaped to be moved by means of a fluid contained in said working chamber (16), from a suction configuration to a delivery configuration within said working chamber (L), characterized in that said pump (100; 101) further comprising sealing device (7; 70) coupled, or coupable to said membrane (4), wherein said sealing device (7; 70) is shaped to define a first interspace (C) between said terminal wall (36) of said pump body (6) and said membrane (4) at said suction configuration of the membrane (4) so that said first interspace (C) is configured to space a bending portion (F) of the membrane (4) from said terminal wall (36) of said pump body (6), and/or to define a second interspace (C) between said terminal wall (35) of said head (5) and said membrane (4) at said delivery configuration of the membrane (4) so that said second interspace (C) is configured to space a bending portion (F) of the membrane (4) from said terminal wall (35) of said head (5).

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