

Title (en)
MEMBRANE FLUID PUMP

Title (de)
MEMBRANFLÜSSIGKEITSPUMPE

Title (fr)
POMPE À FLUIDE À MEMBRANE

Publication
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Application
EP 16855854 A 20161017

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• SE 2016051002 W 20161017

Abstract (en)
[origin: WO2017065685A1] The invention relates to a membrane fluid pump(1), comprising a drive shaft (2) rotatable within the membrane fluid pump. The shaft is equipped with a number of eccentrics (7) arranged axially along the shaft(2). The membrane fluid pump further comprises a set of connecting rods(3, 4)being connected to each of the eccentrics(7), where in each connecting rod (3, 4) is attached between one of the eccentrics (7) on the shaft (7) and a membrane (3", 4"), so that each of the connecting rods(3, 4)is arranged to transfer a rotating movement of the shaft (2) to a reciprocating movement pattern of each the membrane(3", 4"). Each of the eccentrics (7) and the connecting rods (3, 4)are arranged in such a manner that all of the membranes (3", 4") will reciprocate with a phase shift evenly distributed over a 360 degree rotation of the drive shaft(2), and wherein all of the eccentrics (7) are rotationally offset to each other with an angle so that they are evenly distributed over a 360 degree rotation of the drive shaft(2).

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Citation (search report)
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• [I] CA 546210 A 19570917 - RICHARDS ALBERT Z JR
• [A] DE 1428007 A1 19681205 - BECKER ERICH
• See references of WO 2017065685A1

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