

Title (en)
PUMPING SYSTEM IN THE LAB-ON-A-CHIP FIELD

Title (de)
PUMPSYSTEM IM BEREICH EINES LAB-ON-A-CHIP

Title (fr)
SYSTÈME DE POMPAGE DANS LE DOMAINE DES LABORATOIRES SUR PUCE

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Application
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Abstract (en)
[origin: CA3148349A1] The invention relates to a system and an implementation method for pumping a fluid, the system comprising: - a pump (1) comprising: a flexible membrane (100) which has two opposing surfaces, the membrane (100) comprising a spatially rotating permanent magnetisation structure, a rigid support means (200) to which at least a portion of the lower surface (104) of the membrane (100) is attached, - a source (2) of a magnetic field which is capable of generating a magnetic drive field at the location of the membrane (100), the magnetic drive field having a substantially homogeneous orientation.

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