

Title (en)  
FLUIDIC MODULE, APPARATUS AND METHOD FOR HANDLING A LIQUID

Title (de)  
FLUIDIKMODUL, VORRICHTUNG UND VERFAHREN ZUM HANDHABEN VON FLÜSSIGKEIT

Title (fr)  
MODULE FLUIDIQUE, DISPOSITIF ET PROCÉDÉ DE MANIPULATION DE FLUIDE

Publication  
**EP 3154692 B1 20181114 (DE)**

Application  
**EP 15731267 A 20150610**

Priority  
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• EP 2015062956 W 20150610

Abstract (en)  
[origin: WO2015189280A1] A fluidic module, which is rotatable about a centre of rotation, has a first compression chamber with a fluid inlet and a fluid outlet, a second compression chamber with a fluid inlet, a first fluid channel, which is connected to the first compression chamber by way of the fluid inlet of the first compression chamber, and a second fluid channel, which connects the fluid outlet of the first compression chamber to the fluid inlet of the second compression chamber. By rotating the fluidic module, a liquid can be driven centrifugally through the first fluid channel into the first compression chamber and into the second fluid channel, and thereby a compressible medium in the second compression chamber can be enclosed and compressed. By lowering the rotating frequency and resultant expansion of the compressible medium, liquid can be driven out of the second fluid channel into the first compression chamber, out of the first compression chamber into an outlet channel and through the outlet channel. The second fluid channel has a higher flow resistance than the outlet channel and/or the fluid inlet of the second compression chamber is arranged radially further outwards with respect to the centre of rotation than the fluid outlet of the first compression chamber.

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