

Title (en)
DISPLACING DEVICE

Title (de)
VERDRÄNGEREINRICHTUNG

Title (fr)
DISPOSITIF DE DÉPLACEMENT

Publication
EP 3060800 B1 20180418 (DE)

Application
EP 14762011 A 20140911

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EP 2014069431 W 20140911

Abstract (en)
[origin: WO2016037655A1] The invention relates to a displacing device for fluids, in particular liquids, which displacing device has linearly movable displacing elements, which plunge into pump chambers and are connected to crank pins of an externally driven crankshaft by means of one connecting rod each, wherein at least two groups of displacing elements are provided. All groups have the same number of displacing elements, and the crank pins for the displacing elements are arranged in such a way that said crank pins are distributed around the crank shaft at identical angular distances. The crank pins associated with a group are arranged around the crank shaft in such a way that said crank pins are offset in relation to the crank pins of the other group by an offset angle β . Furthermore, the displacing elements of each group are arranged at an offset in relation to the displacing elements of the other groups in the axial direction of the crankshaft, and the group displacing elements are arranged at a group offset angle γ to each other around the crankshaft. The displacing device enables low pressure pulsations.

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