

Title (en)
DISPLACING DEVICE

Title (de)
VERSTELLVORRICHTUNG

Title (fr)
DISPOSITIF DE DEPLACEMENT

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Application
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Abstract (en)
[origin: WO2004035996A1] The invention relates to a device for displacing two part (2, 3) relative to each other, except a displacing device which is provided for displacing a camshaft. The aim of the invention is to create a displacing device which is easy and smooth to operate, is self-locking, and ensures a largely backlash-free, continuous displacement of the two parts at a high degree of efficiency. Said aim is achieved by providing the displacing device with a first part (2) comprising webs (2.3, 22.3) which are spaced apart in the circumferential direction and between which chambers (2.4) are embodied, a second part (3) comprising an internal toothing (3.2, 13.2), and several teeth (7, 27) that are disposed at a distance from each other in the circumferential direction within the chambers (2.4) and have an inner contact area (7.4) for resting against an eccentric drive member (6) as well as an outer contact area (7.5) for engagement with the interior toothing (3.2, 13.2). Rotary movements can be performed by the teeth (7, 27) located within the chambers (2.4) about axes of rotation that run parallel to the axis of rotation (A) of the parts (2, 3) when an input shaft (4) is rotated.

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