

Title (en)  
INVERSE TOOTHED ROTOR SET

Title (de)  
INVERSER VERZÄHNUNGSROTORSATZ

Title (fr)  
ENSEMBLE ROTOR A DENTURE INVERSE

Publication  
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Application  
**EP 01907521 A 20010210**

Priority  
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Abstract (en)  
[origin: US2003072665A1] The invention is related to a toothed rotor set for a pump or engine consisting of a rotating outer rotor, which has an approximately star-shaped bore. The bore has a fine inner tooth system and an inner rotor aligned eccentrically inside it. The inner rotor has oil pockets for planetary gears. The planetary gears also have a fine tooth system with the help of which they roll on the fine teeth of the outer rotor. The planetary gears thus build a tooth system that translates into an outer tooth system. The outer tooth system has one tooth less than the inner tooth system of the outer rotor.

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