

Title (en)
ROTARY CRANK-ROD MECHANISM

Title (de)
DREHKURBELSTANGENMECHANISMUS

Title (fr)
MECANISME BIELLES-MANIVELLES ROTATIF

Publication
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Application
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Abstract (en)
[origin: WO02057606A1] The invention concerns a mechanism operating according to the principle which states that each point in a circle, running in the circle, describes a rectilinear hypocycloid. Said mechanism which is perfectly dynamically balanced reduces frictions to a minimum, and advantageously replaces conventional crank-rods, whereof the vibrations and frictions of the pistons pressing on the cylinders constitute major drawbacks. It can be used to produce rotary motors, capable of using any heat source, or any fuel, including hydrogen. It can also be used to produce refrigerating machines or heat pumps, using air as refrigerant, or machines for extracting water from air, using solar energy. Finally, it can be used for producing compressors, compressed air engines, hydraulic pups or engines, as well as vacuum cleaners, fans and nautical propellers.

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