

Title (en)

A GEARWHEEL MECHANISM FOR THE TRANSFORMATION OF ROTARY MOTION INTO RECTILINEAR MOTION AND VICE VERSA

Title (de)

GETRIEBEMECHANISMUS ZUR ÜBERFÜHRUNG EINER ROTARORISCHEN IN EINE TRANSLATORISCHE BEWEGUNG UND UMGEKEHRT

Title (fr)

MECANISME DE ROUE D'ENGRENAGE POUR LA TRANSFORMATION DE MOUVEMENT ROTATIF EN MOUVEMENT RECTILINEAIRE ET INVERSEMENT

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Application

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- LT 2003068 A 20030709

Abstract (en)

[origin: WO2005005862A1] The gearwheel mechanism supposed consists of drive shaft (2) on which is fixed gearwheel (3) engaged with two having the same diameter gearwheels (4, 5) symmetrically located in regard to shaft (2), in the axes of these gearwheels (4, 5) are immovably fixed crankshafts (6, 7), in the free ends of which movable crankshafts (8, 9) are fixed, on the crankshafts mentioned (8, 9) are immovably fixed gearwheels (10, 11), which are engaged with having the same diameter gearwheels of internal and external engagement (12, 13), which are connected to each other by external engagement, in addition, radiuses of crankshafts (6, 7 and 8, 9) and fixed to them gearwheels (10, 11) have different values, but so that the radius of the crankshaft located on one side of the axis of shaft (2) is equal to the radius of the gearwheel located on the other side of the axis of the shaft and fixed to the crankshaft, whereas the total sum of crankshaft radiuses is equal to the diameter of the internal engagement gearwheel.

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