Title (en)
MECHANICAL MOTION SYSTEM FOR ENERGY GENERATION

Title (de)
MECHANISCHES BEWEGUNG SYSTEM ZUR ENERGIEERZEUGUNG

Title (fr)
SYSTÈME DE MOUVEMENT MÉCANIQUE DESTINÉ À LA GÉNÉRATION D'ÉNERGIE

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Application
EP 13770051 A 20130328

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Abstract (en)

[origin: WO2013144910A1] A - The present equipment is built exclusively mechanical, using common material existing in the market, such as a support structure constructed of steel beams, one crankshaft, metal bars connected with each other through bearings or supported on each other and a weight made with steel plates. B - It was planned and designed to assemble these parts with an arrangement forming assemblies and placing these assemblies side by side connected to each arm of the crankshaft. C - This arrangement was designed with two specific and fundamental functions. The first one is to enable the transfer of energy from the gravity force existing over the system of the weight support bar through the positive or neutral bars and the central shaft, going to the crank arm generating a torque on it axis. The second function is to enable, by placing or removal the bars on the arch support bars, or the telescopic arm and on the armlock rod which is chosen in which bar will be supported the weight support bar. Also enable to choose the moment and the time that this support remains effective. D - The value of the gravitational force existent over the weight support bar and its whole assembly, when they are supported on the neutral bar, is always the same, independently where the point of the gravity center of the assembly comprising the weight support are. This weight will always have equal strenght as if the weight system gravity center were in the central axis. Clarifying, whenever the system weight is supported on either side of the neutral bar, it will generate the same force on the central axis as though the system was supported on the same central axis. E - The value of the force of gravity over the weight support bar system, when it is supported in one of the positive bars or in the rod, is added or increased by a proportional value between the length of the bar that is positively supported and the length of the weight support bar which exists between the central axis and the point on the weight supporting bar which is the center of gravity of the weight system. This measure varies each time, therefore the additional strength varies each time. F - In this presentation, the choice of the position that each lock and the time it becomes effective is the same of the model-machine that I am building, one in Porto Alegre - Brazil, halfway through mounting, and another one in Gilman, Illinois - USA, where now the building is being constructed and the mounting should begin on July 2013. The size of the machine and the length of bars and arms and everything in general that we presented in this application, is equal to the model that is being built. G - Finally, this machine, when its construction is complete, should be locked. When unlocked, the crankshaft will turn, and keep turning forever.

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