

**CPC****COOPERATIVE PATENT CLASSIFICATION****F03G**

**SPRING, WEIGHT, INERTIA OR LIKE MOTORS; MECHANICAL-POWER PRODUCING DEVICES OR MECHANISMS, NOT OTHERWISE PROVIDED FOR OR USING ENERGY SOURCES NOT OTHERWISE PROVIDED FOR** ([arrangements in connection with power supply in vehicles from force of nature B60K 16/00](#); electric propulsion with power supply in vehicles from force of nature [B60L 8/00](#))

**NOTE**

In this subclass, the following term is used with the meaning indicated:

- "motors" means mechanisms for producing mechanical power from potential energy of solid bodies.

**WARNING**

The following IPC groups are not used in the CPC system. Subject matter covered by these groups is classified in the following CPC groups:

<a href="#">F03G 4/00</a>	covered by	<a href="#">F03G 7/04</a>
<a href="#">F03G 4/02</a>	covered by	<a href="#">F03G 7/04</a>
<a href="#">F03G 4/04</a>	covered by	<a href="#">F03G 7/04</a>
<a href="#">F03G 4/06</a>	covered by	<a href="#">F03G 7/04</a>

**F03G 1/00**

**Spring-motor** (spring-driven toys [A63H](#); springs in general [F16F](#); precision time mechanisms, e.g. for clocks or watches, [G04B](#))

F03G 1/02

- . characterised by shape or material of spring, e.g. helical, spiral, coil

F03G 1/04

- .. using rubber springs

F03G 1/06

- . Other parts or details

F03G 1/08

- .. for winding

F03G 1/10

- .. for producing output movement other than rotary, e.g. vibratory

**F03G 3/00**

**Other motors, e.g. gravity or inertia motors {driven by falling liquid [F03B](#)}**

F03G 3/02

- . using wheels with circumferentially-arranged compartments co-operating with solid falling bodies ([F03G 3/04](#) takes precedence)

F03G 3/04

- . driven by sand or like fluent solid material

F03G 3/06

- . using pendulums

F03G 3/08

- . using flywheels

**F03G 5/00**

**Devices for producing mechanical power from muscle energy** ([driving cycles B62M](#))

F03G 5/02

- . of endless-walk type, e.g. treadmills

F03G 5/025

- .. {Treadmills}

- F03G 5/04 . . . Horsemills or the like
- F03G 5/042 . . . {Traction devices, shock absorbers or whipping devices for horsemills}
- F03G 5/045 . . . {Security devices for horsemills}
- F03G 5/047 . . . {Transmissions or couplings for horsemills}
- F03G 5/06 . . other than of endless-walk type
- F03G 5/08 . . . for combined actuation by different limbs, e.g. hand and leg

#### **F03G 6/00**      **Devices for producing mechanical power from solar energy (solar boilers [F24](#))**

- F03G 6/001 . . {having photovoltaic cells}
- F03G 6/003 . . {having a Rankine cycle ([F03G 6/065](#) takes precedence)}
- F03G 6/005 . . . {using an intermediate fluid for heat transfer}
- F03G 2006/006 . . {Soles pond }
- F03G 2006/008 . . {with a tower }
- F03G 6/02 . . using a single state working fluid
- F03G 6/04 . . . gaseous {([F03G 6/064](#), [F03G 6/068](#) take precedence)}
- F03G 6/045 . . . {by producing an updraft of heated gas, e.g. air driving an engine}
- F03G 6/06 . . with means for concentrating solar rays ([means per se F24J 2/06](#))
- F03G 2006/061 . . . {Parabolic linear concentrator }
- F03G 2006/062 . . . {Parabolic point concentrator }
- F03G 6/064 . . . {having a gas turbine cycle, i.e. compressor and gas turbine combination}
- F03G 6/065 . . . {having a Rankine cycle}
- F03G 6/067 . . . {using an intermediate fluid for heat transfer}
- F03G 6/068 . . . {having a Stirling cycle}

#### **F03G 7/00**      **Mechanical-power-producing mechanisms, not otherwise provided for or using energy sources not otherwise provided for {(micro-structural devices or systems, e.g. micro-mechanical devices [B81B](#))}**

- F03G 7/002 . . {using the energy of vibration of a fluid column (for refrigeration machines using waves [F25B 9/14](#))}
- F03G 7/005 . . {Electro-chemical actuators; Actuators having a material for absorbing or desorbing gas, e.g. a metalhydride; Actuators using the difference in osmotic pressure between fluids; Actuators with elements stretchable when contacted with liquid rich in ions, with UV light, with a salt solution}
- F03G 2007/007 . . {using heat pumps }
- F03G 7/04 . . using pressure differences or thermal differences occurring in nature ([F03G 7/06](#) takes precedence)
- F03G 7/05 . . . Ocean thermal energy conversion, i.e. OTEC
- F03G 7/06 . . using expansion or contraction of bodies due to heating, cooling, moistening, drying or the like ([using thermal expansion of non-vaporising liquids F01K](#))
- F03G 7/065 . . . {using a shape memory element}
- F03G 7/08 . . recovering energy derived from swinging, rolling, pitching or like movements, e.g. from the vibrations of a machine
- F03G 7/10 . . Alleged perpetua mobilia ([of buoyancy principle F03B 17/04](#))

**F03G 2730/00**

**Motors driven by springs, weights or manual power**

F03G 2730/01

- . Spring motors with spiral springs

F03G 2730/02

- . Spring motors with helical springs

F03G 2730/03

- . Spring motors with torsion springs

F03G 2730/05

- . Motors driven by hands or feet

F03G 2730/06

- . Various motors in general

F03G 2730/07

- . Special parts of devices or motors according to the preceeding groups