

**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:

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

**F03G 1/00**

**Spring-motor** ([spring-driven toys A63H](#); [springs in general F16E](#); [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	<ul style="list-style-type: none"> <li> <ul style="list-style-type: none"> <li>. . . {Transmissions or couplings for horsemills}</li> </ul> </li> </ul>
F03G 5/06	<ul style="list-style-type: none"> <li>. other than of endless-walk type</li> </ul>
F03G 5/08	<ul style="list-style-type: none"> <li>. . for combined actuation by different limbs, e.g. hand and leg</li> </ul>
<b>F03G 6/00</b>	<b>Devices for producing mechanical power from solar energy (solar boilers <a href="#">F24</a>)</b>
F03G 6/001	<ul style="list-style-type: none"> <li>. {having photovoltaic cells}</li> </ul>
F03G 6/003	<ul style="list-style-type: none"> <li>. {having a Rankine cycle (<a href="#">F03G 6/065</a> takes precedence)}</li> </ul>
F03G 6/005	<ul style="list-style-type: none"> <li>. . {using an intermediate fluid for heat transfer}</li> </ul>
F03G 2006/006	<ul style="list-style-type: none"> <li>. {Soles pond}</li> </ul>
F03G 2006/008	<ul style="list-style-type: none"> <li>. {with a tower}</li> </ul>
F03G 6/02	<ul style="list-style-type: none"> <li>. using a single state working fluid</li> </ul>
F03G 6/04	<ul style="list-style-type: none"> <li>. . gaseous {(<a href="#">F03G 6/064</a>, <a href="#">F03G 6/068</a> take precedence)}</li> </ul>
F03G 6/045	<ul style="list-style-type: none"> <li>. . . {by producing an updraft of heated gas, e.g. air driving an engine}</li> </ul>
F03G 6/06	<ul style="list-style-type: none"> <li>. with means for concentrating solar rays (means per se <a href="#">F24J 2/06</a>)</li> </ul>
F03G 2006/061	<ul style="list-style-type: none"> <li>. . {Parabolic linear concentrator}</li> </ul>
F03G 2006/062	<ul style="list-style-type: none"> <li>. . {Parabolic point concentrator}</li> </ul>
F03G 6/064	<ul style="list-style-type: none"> <li>. . {having a gas turbine cycle, i.e. compressor and gas turbine combination}</li> </ul>
F03G 6/065	<ul style="list-style-type: none"> <li>. . {having a Rankine cycle}</li> </ul>
F03G 6/067	<ul style="list-style-type: none"> <li>. . . {using an intermediate fluid for heat transfer}</li> </ul>
F03G 6/068	<ul style="list-style-type: none"> <li>. . {having a Stirling cycle}</li> </ul>
<b>F03G 7/00</b>	<b>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 <a href="#">B81B</a>)}</b>
F03G 7/002	<ul style="list-style-type: none"> <li>. {using the energy of vibration of a fluid column (for refrigeration machines using waves <a href="#">F25B 9/14</a>)}</li> </ul>
F03G 7/005	<ul style="list-style-type: none"> <li>. {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}</li> </ul>
F03G 2007/007	<ul style="list-style-type: none"> <li>. {using heat pumps}</li> </ul>
F03G 7/04	<ul style="list-style-type: none"> <li>. using pressure differences or thermal differences occurring in nature (<a href="#">F03G 7/06</a> takes precedence)</li> </ul>
F03G 7/05	<ul style="list-style-type: none"> <li>. . Ocean thermal energy conversion, i.e. OTEC</li> </ul>
F03G 7/06	<ul style="list-style-type: none"> <li>. using expansion or contraction of bodies due to heating, cooling, moistening, drying or the like (using thermal expansion of non-vaporising liquids <a href="#">F01K</a>)</li> </ul>
F03G 7/065	<ul style="list-style-type: none"> <li>. . {using a shape memory element}</li> </ul>
F03G 7/08	<ul style="list-style-type: none"> <li>. recovering energy derived from swinging, rolling, pitching or like movements, e.g. from the vibrations of a machine</li> </ul>
F03G 7/10	<ul style="list-style-type: none"> <li>. Alleged perpetua mobilia (of buoyancy principle <a href="#">F03B 17/04</a>)</li> </ul>
<b>F03G 2730/00</b>	<b>Motors driven by springs, weights or manual power</b>
F03G 2730/01	<ul style="list-style-type: none"> <li>. Spring motors with spiral springs</li> </ul>
F03G 2730/02	<ul style="list-style-type: none"> <li>. Spring motors with helical springs</li> </ul>

- 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