

# 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>

<b>1/00</b>	<b>Spring-motor</b> (spring-driven toys <a href="#">A63H</a> ; springs in general <a href="#">F16F</a> ; precision time mechanisms, e.g. for clocks or watches, <a href="#">G04B</a> )	6/02	• using a single state working fluid
1/02	• characterised by shape or material of spring, e.g. helical, spiral, coil	6/04	• • gaseous { ( <a href="#">F03G 6/064</a> , <a href="#">F03G 6/068</a> take precedence) }
1/04	• • using rubber springs	6/045	• • • {by producing an updraft of heated gas, e.g. air driving an engine}
1/06	• Other parts or details	6/06	• with means for concentrating solar rays ( <a href="#">means per se F24J 2/06</a> )
1/08	• • for winding	2006/061	• • {Parabolic linear concentrator}
1/10	• • for producing output movement other than rotary, e.g. vibratory	2006/062	• • {Parabolic point concentrator}
<b>3/00</b>	<b>Other motors, e.g. gravity or inertia motors</b> {(driven by falling liquid <a href="#">F03B</a> )}	6/064	• • {having a gas turbine cycle, i.e. compressor and gas turbine combination}
3/02	• using wheels with circumferentially-arranged compartments co-operating with solid falling bodies ( <a href="#">F03G 3/04</a> takes precedence)	6/065	• • {having a Rankine cycle}
3/04	• driven by sand or like fluent solid material	6/067	• • • {using an intermediate fluid for heat transfer}
3/06	• using pendulums	6/068	• • {having a Stirling cycle}
3/08	• using flywheels	<b>7/00</b>	<b>Mechanical-power-producing mechanisms, not otherwise provided for or using energy sources not otherwise provided for</b> {(micro-structural devices or systems, e.g. micro-mechanical devices <a href="#">B81B</a> )}
<b>5/00</b>	<b>Devices for producing mechanical power from muscle energy</b> (driving cycles <a href="#">B62M</a> )	7/002	• {using the energy of vibration of a fluid column (for refrigeration machines using waves <a href="#">F25B 9/14</a> )}
5/02	• of endless-walk type, e.g. treadmills	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}
5/025	• • {Treadmills}	2007/007	• {using heat pumps}
5/04	• • Horsemills or the like	7/04	• using pressure differences or thermal differences occurring in nature ( <a href="#">F03G 7/06</a> takes precedence)
5/042	• • • {Traction devices, shock absorbers or whipping devices for horsemills}	7/05	• • Ocean thermal energy conversion, i.e. OTEC
5/045	• • • {Security devices for horsemills}	7/06	• 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> )
5/047	• • • {Transmissions or couplings for horsemills}	7/065	• • {using a shape memory element}
5/06	• other than of endless-walk type	7/08	• recovering energy derived from swinging, rolling, pitching or like movements, e.g. from the vibrations of a machine
5/08	• • for combined actuation by different limbs, e.g. hand and leg		
<b>6/00</b>	<b>Devices for producing mechanical power from solar energy</b> (solar boilers <a href="#">F24</a> )		
6/001	• {having photovoltaic cells}		
6/003	• {having a Rankine cycle ( <a href="#">F03G 6/065</a> takes precedence)}		
6/005	• • {using an intermediate fluid for heat transfer}		
2006/006	• {Soles pond}		
2006/008	• {with a tower}		

- 7/10 . Alleged perpetua mobilia (of buoyancy principle [F03B 17/04](#))

**2730/00** Motors driven by springs, weights or manual power

- 2730/01 . Spring motors with spiral springs
- 2730/02 . Spring motors with helical springs
- 2730/03 . Spring motors with torsion springs
- 2730/05 . Motors driven by hands or feet
- 2730/06 . Various motors in general
- 2730/07 . Special parts of devices or motors according to the preceeding groups