

# CPC COOPERATIVE PATENT CLASSIFICATION

## F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

### ENGINES OR PUMPS

## F03 MACHINES OR ENGINES FOR LIQUIDS (for liquid and gases [F01](#); positive-displacement machines for liquids [F04](#)); WIND, SPRING WEIGHT AND MISCELLANEOUS MOTORS; PRODUCING MECHANICAL POWER; OR A REACTIVE PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR

## F03H PRODUCING A REACTIVE PROPULSIVE THRUST, NOT OTHERWISE PROVIDED FOR (from combustion products [F02K](#))

- 1/00     **Using plasma to produce a reactive propulsive thrust** (generating plasma [H05H 1/00](#)) {ion sources [per se](#) [H01J 27/02](#), ion sources for plasma processing or ion beams [H01J 37/08](#)}
- 1/0006     . {Details applicable to different types of plasma thrusters (arrangements specially adapted for fitting plasma engines in or to cosmonautic vehicles [B64G 1/405](#))}
- 1/0012     . . {Means for supplying the propellant}
- 1/0018     . . {Arrangements or adaptations of power supply systems (for cosmonautic vehicles [B64G 1/42](#))}
- 1/0025     . . {Neutralisers, i.e. means for keeping electrical neutrality}
- 1/0031     . . {Thermal management, heating or cooling parts of the thruster (temperature control for cosmonautic vehicles [B64G 1/50](#))}
- 1/0037     . {Electrostatic ion thrusters}
- 1/0043     . . {characterised by the acceleration grid (extraction optics for ion sources [H01J 27/024](#))}
- 1/005     . . {using field emission, e.g. Field Emission Electric Propulsion [FEEP]}
- 1/0056     . . {with an acceleration grid and an applied magnetic field}
- 1/0062     . . {grid-less with an applied magnetic field}
- 1/0068     . . . {with a central channel, e.g. end-Hall type}
- 1/0075     . . . {with an annular channel; Hall-effect thrusters with closed electron drift}
- 1/0081     . {Electromagnetic plasma thrusters}
- 1/0087     . {Electro-dynamic thrusters, e.g. pulsed plasma thrusters}
- 1/0093     . {Electro-thermal plasma thrusters, i.e. thrusters heating the particles in a plasma (resistojets [per se](#) [B64G 1/406](#))}
- 3/00     **Use of photons to produce a reactive propulsive thrust**
- 99/00     **Subject matter not provided for in other groups of this subclass**