

# CPC COOPERATIVE PATENT CLASSIFICATION

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

### WEAPONS; BLASTING

#### F41 WEAPONS (NOTES omitted)

#### F41F APPARATUS FOR LAUNCHING PROJECTILES OR MISSILES FROM BARRELS, e.g. CANNONS (smallarms [F41C](#)); LAUNCHERS FOR ROCKETS OR TORPEDOES; HARPOON GUNS (functional features or details common to both smallarms and ordnance, mountings therefor [F41A](#); projecting missiles without use of explosive or combustible propellant charge [F41B](#))

##### NOTE

This subclass does not cover the arrangement of armaments, adaptation of mountings therefor, or arrangements of ammunition handlers on ships or aircraft, if they present a shipbuilding or aircraft-building aspect, which are covered by subclass [B63G](#) or [B64D](#).

##### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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| <p><b>1/00</b> Launching apparatus for projecting projectiles or missiles from barrels, e.g. cannons (<a href="#">F41F 3/00</a> takes precedence); Harpoon guns</p> <p>1/06 . Mortars (base plates therefor <a href="#">F41A 23/54</a>)</p> <p>1/08 . Multibarrel guns, e.g. twin guns</p> <p>1/085 . . {with oscillating barrels; with barrels having variable relative orientation (scatter-fire arrangements <a href="#">F41A 27/04</a>)}</p> <p>1/10 . . Revolving-cannon guns, i.e. multibarrel guns with the barrels and their respective breeches mounted on a rotor; Breech mechanisms therefor</p> <p><b>3/00</b> Rocket or torpedo launchers</p> <p>3/04 . for rockets</p> <p>3/0406 . . {Rail launchers}</p> <p>3/0413 . . {Means for exhaust gas disposal, e.g. exhaust deflectors, gas evacuation systems}</p> <p>3/042 . . the launching apparatus being used also as a transport container for the rocket (<a href="#">F41F 3/065</a> takes precedence)}</p> <p>3/045 . . adapted to be carried and used by a person, e.g. bazookas (<a href="#">F41F 3/042</a> takes precedence)</p> <p>3/0455 . . . {Bazookas}</p> <p>3/048 . . Means for imparting spin to the rocket before launching</p> <p>3/052 . . Means for securing the rocket in the launching apparatus</p> <p>3/055 . . Umbilical connecting means {(means for facilitating disengagement of electric line connector coupling parts in general <a href="#">H01R 13/633</a>)}</p> <p>3/058 . . Means for removing duds or misfires</p> <p>3/06 . . from aircraft {(<a href="#">F41F 3/0406</a> takes precedence; arrangements of rocket launchers on aircraft <a href="#">B64D 7/08</a>; bomb releasing in flight <a href="#">B64D 1/06</a>)}</p> | <p>3/065 . . . Rocket pods, i.e. detachable containers for launching a plurality of rockets</p> <p>3/07 . . Underwater launching-apparatus</p> <p>3/073 . . Silos for rockets, e.g. mounting or sealing rockets therein (<a href="#">F41F 3/077</a> takes precedence)</p> <p>3/077 . . Doors or covers for launching tubes</p> <p>3/08 . for marine torpedoes {(<a href="#">F41A 23/22</a> takes precedence)}</p> <p>3/10 . . from below the surface of the water</p> <p><b>5/00</b> Launching-apparatus for gravity-propelled missiles or projectiles (from aircraft <a href="#">B64D 1/04</a>)</p> <p>5/04 . from ships, e.g. for mines, for depth charges</p> <p><b>7/00</b> Launching-apparatus for projecting missiles or projectiles otherwise than from barrels, {e.g. using spigots} (<a href="#">F41F 3/04</a> takes precedence; {centrifugal sling apparatus <a href="#">F41B 3/04</a>)}</p> |
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