

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>1/00 Launching apparatus for projecting projectiles or missiles from barrels, e.g. cannons (F41F 3/00 takes precedence); Harpoon guns</p> <p>1/06 . Mortars (base plates therefor F41A 23/54)</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 F41A 27/04)}</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>3/00 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 {(F41F 3/065 takes precedence)}</p> <p>3/045 . . adapted to be carried and used by a person, e.g. bazookas (F41F 3/042 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 H01R 13/633)}</p> <p>3/058 . . Means for removing duds or misfires</p> <p>3/06 . . from aircraft {(F41F 3/0406 takes precedence; arrangements of rocket launchers on aircraft B64D 7/08; bomb releasing in flight B64D 1/06)}</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 (F41F 3/077 takes precedence)</p> <p>3/077 . . Doors or covers for launching tubes</p> <p>3/08 . for marine torpedoes {(F41A 23/22 takes precedence)}</p> <p>3/10 . . from below the surface of the water</p> <p>5/00 Launching-apparatus for gravity-propelled missiles or projectiles (from aircraft B64D 1/04)</p> <p>5/04 . from ships, e.g. for mines, for depth charges</p> <p>7/00 Launching-apparatus for projecting missiles or projectiles otherwise than from barrels, {e.g. using spigots} (F41F 3/04 takes precedence; {centrifugal sling apparatus F41B 3/04)}</p> |
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