

CPC COOPERATIVE PATENT CLASSIFICATION

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

WEAPONS; BLASTING

F41 WEAPONS (NOTES omitted)

F41B WEAPONS FOR PROJECTING MISSILES WITHOUT USE OF EXPLOSIVE OR COMBUSTIBLE PROPELLANT CHARGE; WEAPONS NOT OTHERWISE PROVIDED FOR (projectiles for fishing, e.g. fish-spears, [A01K 81/00](#); sports implements for throwing [A63B 65/00](#), e.g. boomerangs [A63B 65/08](#); stationary apparatus for projecting sports balls, e.g. tennis balls, [A63B 69/40](#); throwing or slinging toys [A63H 33/18](#); knives, axes [B26B](#); projectiles or missiles other than those incorporating springs as projecting means [F42B 6/00](#))

WARNING

The following IPC groups are not in the CPC scheme. The subject matter for these IPC groups is classified in the following CPC groups:

F41B 5/16	covered by	F41B 5/1473
F41B 5/18	covered by	F41B 5/1469
F41B 5/20	covered by	F41B 5/1426
F41B 5/22	covered by	F41B 5/143

1/00	Blow guns, i.e. tubes for impelling projectiles, e.g. peas or darts, by the force of the breath (pop guns A63H)	5/06	. Quivers
		5/063	. . {worn on the body of the archer}
		5/066	. . {mounted on the bow or crossbow}
3/00	Sling weapons (throwing-apparatus for clay-pigeon or clay-disc targets F41J 9/18)	5/10	. Compound bows {(compound crossbows F41B 5/123)}
3/005	. {Catapults in pistol or rifle form having a cocking device, i.e. a mechanical device for holding the elastic band}	5/105	. . {Cams or pulleys for compound bows}
3/02	. Catapults, e.g. slingshots	5/12	. Crossbows
3/03	. . Catapults having a pivotable launcher arm	5/123	. . {Compound crossbows}
3/04	. Centrifugal sling apparatus	5/126	. . {Repeating crossbows; crossbows with magazines}
4/00	Friction-wheel operated launchers	5/14	. Details of bows; Accessories for arc shooting (sighting devices for bows F41G 1/467)
5/00	Bows; Crossbows	5/1403	. . {Details of bows; (camera's on bows F41B 5/1492)}
5/0005	. {Single stave recurve bows}	5/1407	. . . {Bow-string silencing devices}
5/001	. . {characterised by the material}	5/1411	. . . {Bow-strings}
5/0015	. . . {fibre reinforced}	5/1415	. . . . {Nocking points}
5/0021	. . . {laminated}	5/1419	. . . . {String mounted peep sights (sights mounted on the bow itself F41G 1/467)}
5/0026	. . {Take-down or foldable bows}	5/1423	. . . . {Kissers}
5/0031	. . . {Handle or riser units}	5/1426	. . . {Bow stabilisers or vibration dampers}
5/0036	. . . . {characterised by the material}	5/143	. . . {Arrow rests or guides}
5/0042	. . . . . {fibre reinforced}	5/1434	. . . {Clickers or draw indicators}
5/0047	. . . . . {laminated}	5/1438	. . . {Buttons}
5/0052	. . . {Limbs}	5/1442	. . {Accessories for arc or bow shooting}
5/0057	. . . . {characterised by the material}	5/1446	. . . {Arrow fletching jigs}
5/0063	. . . . . {fibre reinforced}	5/1449	. . . {Bow tensioning devices; Bow presses; Rigs for bow assembly or maintenance}
5/0068	. . . . . {laminated}	5/1453	. . . {Stands, rests or racks for bows}
5/0073	. {Single stave non-recurve bows}	5/1457	. . . {Cases, bags or covers for bows}
5/0078	. . {characterised by the material}	5/1461	. . . {Devices for hands-free carrying of strung bows}
5/0084	. . . {fibre reinforced}	5/1465	. . . {Arrow pullers}
5/0089	. . . {laminated}		
5/0094	. {Non-traditional bows, e.g. having hinged limbs or non-stave geometry}		

- 5/1469 . . . {Bow-string drawing or releasing devices
([F41B 5/1473](#) takes precedence)}
- 5/1473 . . . {Archer's finger tabs}
- 5/1476 . . . {Devices for archery training}
- 5/148 . . . {Accessories and tools for bow shooting not otherwise provided for}
- 5/1484 . . {Bows with special adaptations or devices for special purposes}
- 5/1488 . . . {with reels for fishing or arrow retrieval}
- 5/1492 . . . {with cameras; mounting of cameras on bows}
- 5/1496 . . . {with camouflage; Mounting of camouflage on bows}
- 6/00 Electromagnetic launchers {; Plasma-actuated launchers (projectiles for electromagnetic or plasma guns [F42B 6/006](#))}**
- 6/003 . {using at least one driving coil for accelerating the projectile, e.g. an annular coil}
- 6/006 . {Rail launchers}
- 7/00 Spring guns (([F41J 9/18](#) takes precedence; catapults having a cocking device [F41B 3/005](#)); catapults [F41B 3/02](#); {throwing apparatus for boomerangs [A63B 65/08](#); spring-loaded devices for projecting sporting balls [A63B 69/407](#))}**
- 7/003 . {Spring guns in pistol or rifle form}
- 7/006 . {Adaptations for feeding or loading missiles from magazines}
- 7/02 . the spring forming part of the missile or projectile
- 7/025 . . {Rubber-band projecting guns}
- 7/04 . adapted to discharge harpoons
- 7/043 . . {Accessories therefor}
- 7/046 . . . {Trigger mechanisms therefor}
- 7/08 . Toy guns {, i.e. guns launching objects of the gliding type, e.g. airplanes, parachute missiles ([F41B 7/006](#) and [F41B 7/02](#) take precedence)}
- 9/00 Liquid ejecting guns, e.g. water pistols {, devices ejecting electrically charged liquid jets, devices ejecting liquid jets by explosive pressure}**
- 9/0003 . {characterised by the pressurisation of the liquid (for launching torpedoes or stores from submarines [F41F 3/10](#))}
- 9/0006 . . {the liquid being pressurised prior to ejection}
- 9/0009 . . . {the pressurised liquid being contained in an expandable chamber, e.g. a bladder or a chamber with a spring-loaded slidable wall}
- 9/0012 {the gun having an unpressurised liquid reservoir}
- 9/0015 . . . {the liquid being pressurised by compressed gas, e.g. air (pressurisation by explosion gases [F41B 9/0043](#))}
- 9/0018 {the gas being compressed utilising a manual piston pump}
- 9/0021 {the gas being compressed by non-manual pumping means, e.g. an electric pump}
- 9/0025 {the pressurised liquid and the compressed gas being physically separated from each other, e.g. by a movable wall}
- 9/0028 {the gun having an unpressurised liquid reservoir}
- 9/0031 . . {the liquid being pressurised at the moment of ejection}
- 9/0034 . . . {Pressurisation by deformation of the gun body}
- 9/0037 . . . {Pressurisation by a piston}
- 9/004 {the piston movement being mechanically coupled to the trigger movement, e.g. the piston being part of the trigger}
- 9/0043 . . . {Pressurisation by explosive pressure}
- 9/0046 {Disruptors, i.e. for neutralising explosive devices}
- 9/005 . . {the gun being connected to an external source of pressurised liquid during use of the gun, i.e. at least during ejection of the liquid}
- 9/0053 . . . {the external source being a pressurised water supply system, e.g. the municipal water supply system or a water supply system onboard a ship}
- 9/0056 . . . {the external source being open water and the pressure being generated by an intake travelling at high speed through the water}
- 9/0059 . {characterised by the number or kind of pressure or storage chambers}
- 9/0062 . . {the liquid being stored in the handle, grip or stock of the gun}
- 9/0065 . . {with removable storage tanks}
- 9/0068 . . {with more than one storage tank}
- 9/0071 . {characterised by special valve arrangements}
- 9/0075 . {characterised by special nozzle arrangements, e.g. for a swirling effect or a directional effect}
- 9/0078 . {characterised by the gun housing, e.g. its shape or concealment}
- 9/0081 . . {Special gun housing shapes, e.g. in the form of animals, airplanes, toys or figurines}
- 9/0084 . . {Concealed gun housings, e.g. concealed nozzles in a garment}
- 9/0087 . {characterised by the intended use, e.g. for self-defence, law-enforcement, industrial use, military purposes ([F41B 9/0046](#) takes precedence)}
- 9/009 . . {for ejecting electrically charged jets}
- 9/0093 . . {for riot control, e.g. water cannons therefor}
- 9/0096 . {having means for mixing other agents with the liquid}
- 11/00 Compressed-gas guns, e.g. air guns; Steam guns**
- 11/50 . Magazines for compressed-gas guns; Arrangements for feeding or loading projectiles from magazines
- 11/51 . . the magazine being an integral, internal part of the gun housing
- 11/52 . . the projectiles being loosely held in a magazine above the gun housing, e.g. in a hopper
- 11/53 . . . the magazine having motorised feed-assisting means
- 11/54 . . the projectiles being stored in a rotating drum magazine
- 11/55 . . the projectiles being stored in stacked order in a removable box magazine, rack or tubular magazine
- 11/56 . . . the magazine also housing a gas cartridge
- 11/57 . . Electronic or electric systems for feeding or loading ([F41B 11/53](#) takes precedence)
- WARNING**
- Group [F41B 11/57](#) is impacted by reclassification into group [F41B 11/71](#).
Groups [F41B 11/57](#) and [F41B 11/71](#) should be considered in order to perform a complete search.

F41B

- 11/60 . characterised by the supply of compressed gas
- 11/62 . . with pressure supplied by a gas cartridge
- 11/64 . . having a piston effecting a compressor stroke during the firing of each shot
- 11/641 . . . the piston being hand operated
- 11/642 . . . the piston being spring operated
- 11/643 the piston being arranged concentrically with the barrel
- 11/644 having an additional slidable mass moving in the opposite direction to the piston, e.g. for recoil reduction
- 11/645 the slidable mass being a compressor piston
- 11/646 Arrangements for putting the spring under tension
- 11/647 by a rocker lever
- 11/648 in breakdown air guns
- 11/66 . . having deformable bellows or chambers pressed during firing, e.g. by deformation of the body of the gun
- 11/68 . . the gas being pre-compressed before firing ([F41B 11/62](#) takes precedence)
- 11/681 . . . Pumping or compressor arrangements therefor
- 11/682 Pressure accumulation tanks
- 11/683 operated by a rocker-lever system
- 11/684 in breakdown air guns
- 11/70 . Details not provided for in [F41B 11/50](#) or [F41B 11/60](#)
- 11/71 . . Electric or electronic control systems, e.g. for safety purposes

WARNING

Group [F41B 11/71](#) is incomplete pending reclassification of documents from group [F41B 11/57](#).
Groups [F41B 11/57](#) and [F41B 11/71](#) should be considered in order to perform a complete search.

- 11/72 . . Valves; Arrangement of valves
- 11/721 . . . for controlling gas pressure for both firing the projectile and for loading or feeding
- 11/722 . . . for controlling gas pressure for loading or feeding only
- 11/723 . . . for controlling gas pressure for firing the projectile only
- 11/724 . . . for gas pressure reduction
- 11/73 . . Sealing arrangements; Pistons
- 11/80 . specially adapted for particular purposes
- 11/81 . . for ejecting powder, e.g. pepper
- 11/83 . . for launching harpoons
- 11/85 . . for launching hypodermic projectiles
- 11/87 . . for industrial purposes, e.g. for surface treatment
- 11/89 . . for toys

13/00 Thrusting-weapons ([bayonets F41C 27/18](#)); **Cutting-weapons carried as side-arms** ([training appliances for fencing A63B 69/02](#); [sheaths for hand cutting tools B26B 29/00](#) {; [firearms combined with thrusting or cutting weapons F41C 27/16](#)})

- 13/02 . Sabres; Cutlasses; Swords; Epees {(toy swords [A63H 33/009](#))}
- NOTE**
Documents characterised by electric contact means for indicating hits in fencing are classified in [A63B 69/02](#)
- 13/04 . . Sheaths or scabbards therefor {; [Wearing gear therefor](#)}
- 13/06 . . . for concealment, e.g. swordsticks
- 13/08 . Daggers; Stiletos
- 13/10 . Lances; Pikes ([spears for sporting purposes A63B 65/02](#))
- 15/00 Weapons not otherwise provided for {, e.g. nunchakus, throwing knives}**
- 15/02 . Batons; Truncheons; Sticks; Shillelaghs
- 15/022 . . {of telescopic type}
- 15/025 . . . {the telescoping sections being locked by coating conical end surfaces, i.e. by friction}
- 15/027 . . . {the telescoping sections being locked by an additional mechanical locking element}
- 15/04 . . with electric stunning-means {(ejecting electrically charged liquid jets [F41B 9/00](#); [electric shock creating harpoons F42B 30/14](#); [electric circuits or apparatus for killing or stunning H05C](#))}
- 15/06 . . with inserted knives or spikes
- 15/08 . Knuckledusters
- 15/10 . Bolas