

CPC COOPERATIVE PATENT CLASSIFICATION

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

WEAPONS; BLASTING

F41 WEAPONS (NOTES omitted)

F41G WEAPON SIGHTS; AIMING (optical aspects thereof [G02B](#))

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|--------|---|-------------|--|
| 1/00 | Sighting devices (for indirect laying of fire F41G 3/16 ; bombsights F41G 3/24 {; structurally associated with laser telemeters F41G 3/065 ; mounting tubular or beam shaped aiming devices on firearms F41G 11/001 }) | 1/40 | . Periscopic sights specially adapted for smallarms or ordnance (periscopic sights in general G02B); Supports or mountings therefor |
| 1/01 | . characterised by the visual combination effect of the respective geometrical forms of fore and rear sight (F41G 1/42 takes precedence) | 1/41 | . . Mounting periscopic sights on smallarms |
| 1/02 | . Foresights | 1/42 | . Tube sights; Bar sights {; Combinations of tubular fore and rearsights } |
| 1/027 | . . with lens | 1/425 | . . { Bar sights } |
| 1/033 | . . adjustable | 1/44 | . Spirit-level adjusting means, e.g. for correcting tilt; { Means for indicating or correcting tilt or cant } |
| 1/04 | . . Protection means therefor | 1/46 | . for particular applications |
| 1/06 | . Rearsights | 1/467 | . . for bows |
| 1/065 | . . { Protection means therefor (F41G 1/04 takes precedence) } | 1/473 | . . for lead-indicating or range-finding, e.g. for use with rifles or shotguns |
| 1/08 | . . with aperture {; tubular or of ring form ; Peep sights (F41G 1/42 takes precedence) } | 1/48 | . . for firing grenades from rifles |
| 1/10 | . . with notch | 1/50 | . . for trench mortars { or for other mortars } |
| 1/12 | . . with line or mark other than notch | 1/52 | . . for rifles or shotguns having two or more barrels, or adapted to fire different kinds of ammunition, e.g. ball or shot |
| 1/14 | . . with lens | 1/54 | . Devices for testing or checking {; Tools for adjustment of sights } |
| 1/16 | . . Adjusting mechanisms therefor; Mountings therefor | 1/545 | . . { Tools for adjustment of sights } |
| 1/17 | . . . Convertible sights, i.e. sets of two or more sights brought into the sight line optionally | 3/00 | Aiming or laying means (sighting devices F41G 1/00 ; determining direction, distance or velocity by use of radio or other waves G01S ; computers G06 ; antennas H01Q) |
| 1/18 | . . . Clicking-indicators with spring detents | 3/005 | . { with means for correcting the parallax between the sighting means and the muzzle axis } |
| 1/20 | . . . coarse and fine | 3/02 | . using an independent line of sight |
| 1/22 | . . . Friction clamps | 3/04 | . for dispersing fire from a battery {; for controlling spread of shots ; for coordinating fire from spaced weapons } |
| 1/24 | . . . rack-and-pinion; lever; linkwork | 3/06 | . with rangefinder (rangefinders per se G01C) |
| 1/26 | . . . screw | 3/065 | . . { Structural association of sighting-devices with laser telemeters } |
| 1/28 | . . . wedge; cam; eccentric | 3/08 | . with means for compensating for speed, direction, temperature, pressure, or humidity of the atmosphere (measuring G01) |
| 1/30 | . Reflecting-sights specially adapted for smallarms or ordnance (reflecting-sights in general G02B) | 3/10 | . with means for compensating for canting of the trunnions |
| 1/32 | . Night sights, e.g. luminescent {(optical aspects of sighting devices G02B 23/00 , G02B 27/00)} | 3/12 | . with means for compensating for muzzle velocity or powder temperature { with means for compensating for gun vibrations } |
| 1/34 | . . combined with light source, e.g. spot-light | 3/14 | . Indirect aiming means |
| 1/345 | . . . { for illuminating the sights } | 3/142 | . . { based on observation of a first shoot ; using a simulated shoot (training F41G 3/26)} |
| 1/35 | . . . for illuminating the target {, e.g. flash lights } | 3/145 | . . { using a target illuminator } |
| 1/36 | . . . with infra-red light source | 3/147 | . . { based on detection of a firing weapon } |
| 1/38 | . Telescopic sights specially adapted for smallarms or ordnance (telescopic sights in general G02B); Supports or mountings therefor | | |
| 1/383 | . . { Protection means therefor } | | |
| 1/387 | . . Mounting telescopic sights on smallarms | | |
| 1/393 | . . Mounting telescopic sights on ordnance; Transmission of sight movements to the associated gun | | |
| 1/3935 | . . . { Transmission of sight movements to the associated gun } | | |

- 3/16 . . Sighting devices adapted for indirect laying of fire
- 3/165 . . . {using a TV-monitor}
- 3/18 . . Auxiliary target devices adapted for indirect laying of fire
- 3/20 . . specially adapted for mountain artillery
- 3/22 . for vehicle-borne armament, e.g. on aircraft
- 3/225 . . {Helmet sighting systems}
- 3/24 . . Bombsights
- 3/26 . Teaching or practice apparatus for gun-aiming or gun-laying {(shooting games [A63F 9/02](#); light- or radiation-emitting guns [F41A 33/02](#); targets therefor [F41J](#); responders, transponders for radar, sonar, lidar [G01S 13/767](#), [G01S 15/74](#), [G01S 17/74](#))}
- 3/2605 . . {using a view recording device cosighted with the gun ([F41G 3/2616](#) takes precedence)}
- 3/2611 . . . {coacting with a TV-monitor}
- 3/2616 . . {using a light emitting device}
- 3/2622 . . . {for simulating the firing of a gun or the trajectory of a projectile}
- 3/2627 {Cooperating with a motion picture projector}
- 3/2633 {using a TV type screen, e.g. a CRT, displaying a simulated target}
- 3/2638 {giving hit coordinates by means of raster control signals, e.g. standard light pen}
- 3/2644 {Displaying the trajectory or the impact point of a simulated projectile in the gunner's sight}
- 3/265 {with means for selecting or varying the shape or the direction of the emitted beam}
- 3/2655 {in which the light beam is sent from the weapon to the target}
- 3/2661 {in which the light beam is sent from the target to the weapon ([F41G 3/2638](#) takes precedence)}
- 3/2666 {with means for selecting or varying PRF or time coding of the emitted beam}
- 3/2672 {using PRF adapted receiver}
- 3/2677 {with PRF determination}
- 3/2683 {with reflection of the beam on the target back to the weapon}
- 3/2688 {using target range measurement, e.g. with a laser rangefinder}
- 3/2694 . . . {for simulating a target ([F41G 3/2627](#) takes precedence; moving targets *per se* [F41J 9/00](#))}
- 3/28 . . Small-scale apparatus ([relief models or maps G09B](#))
- 3/30 . . Gun-laying apparatus
- 3/32 . Devices for testing or checking
- 3/323 . . {for checking the angle between the muzzle axis of the gun and a reference axis, e.g. the axis of the associated sighting device ([testing alignment of axes in general G01B 11/27](#))}
- 3/326 . . {for checking the angle between the axis of the gun sighting device and an auxiliary measuring device ([F41G 3/323](#) takes precedence)}
- 5/00 Elevating or traversing control systems for guns** ({means for inhibiting firing in a specified direction [F41A 17/08](#); gun mountings permitting traversing or elevating movement, e.g. gun carriages, [F41A 27/00](#); computers [G06](#))
- 5/02 . . using only mechanical means for remote control
- 5/04 . . using hydraulic means for remote control
- 5/06 . . using electric means for remote control
- 5/08 . Ground-based tracking-systems for aerial targets
- 5/12 . . acoustically influenced
- 5/14 . . for vehicle-borne guns
- 5/16 . . . gyroscopically influenced
- 5/18 . . Tracking systems for guns on aircraft
- 5/20 . . . for guns on ships
- 5/22 to compensate for rolling or pitching
- 5/24 . . . for guns on tanks
- 5/26 . Apparatus for testing or checking
- 7/00 Direction control systems for self-propelled missiles** (flight control [B64C](#), [G05D 1/00](#) {; counter-measures against guided missiles [F41H 11/02](#); spin-stabilised missiles [F42B 10/26](#)}; self-propelled or guided missiles having direction control systems only installed aboard [F42B 15/01](#); rocket torpedoes [F42B 17/00](#); marine torpedoes or sea-mines having self-propulsion means [F42B 19/00](#); locating by use of radio or other waves [G01S](#); computing aspects [G06](#))
- 7/001 . {Devices or systems for testing or checking}
- 7/002 . . {target simulators}
- 7/003 . . . {for seekers using radio waves}
- 7/004 {for infra-red seekers}
- 7/005 . . {for testing benches or sets}
- 7/006 . {Guided missiles training or simulation devices}
- 7/007 . {Preparatory measures taken before the launching of the guided missiles}
- 7/008 . {Combinations of different guidance systems}
- 7/20 . based on continuous observation of target position
- 7/22 . . Homing guidance systems
- 7/2206 . . . {using a remote control station}
- 7/2213 {maintaining the axis of an orientable seeking head pointed at the target, e.g. target seeking gyro}
- 7/222 {for spin-stabilized missiles}
- 7/2226 {comparing the observed data with stored target data, e.g. target configuration data}
- 7/2233 {Multimissile systems}
- 7/224 {Deceiving or protecting means ([jamming or anti-jamming of radio-wave systems in general G01S 7/36](#), [G01S 7/38](#); defense installations in general [F41H 11/02](#); chaff dispensers [F42B 12/70](#))}
- 7/2246 {Active homing systems, i.e. comprising both a transmitter and a receiver}
- 7/2253 {Passive homing systems, i.e. comprising a receiver and do not requiring an active illumination of the target}
- 7/226 {Semi-active homing systems, i.e. comprising a receiver and involving auxiliary illuminating means, e.g. using auxiliary guiding missiles}
- 7/2266 {Systems comparing signals received from a base station and reflected from the target}
- 7/2273 {characterised by the type of waves}
- 7/228 {using acoustic waves, e.g. for torpedoes}
- 7/2286 {using radio waves}
- 7/2293 {using electromagnetic waves other than radio waves}
- 7/24 . . Beam riding guidance systems ([conical-scan beam beacons therefor G01S 1/42](#))
- 7/26 Optical guidance systems

- 7/263 {Means for producing guidance beams}
- 7/266 {for spin-stabilized missiles}
- 7/28 . . . Radio guidance systems
- 7/30 . . Command link guidance systems ([homing F41G 7/2206](#))
- 7/301 . . . {Details}
- 7/303 {Sighting or tracking devices especially provided for simultaneous observation of the target and of the missile}
- 7/305 {for spin-stabilized missiles}
- 7/306 {for transmitting guidance signals; ([F41G 7/308 takes precedence](#))}
- 7/308 {for guiding a plurality of missiles}
- 7/32 . . . for wire-guided missiles
- 7/34 . based on predetermined target position data
- 7/343 . . {comparing observed and stored data of target position or of distinctive marks along the path towards the target}
- 7/346 . . {using global navigation satellite systems, e.g. GPS, GALILEO, GLONASS}
- 7/36 . . using inertial references

9/00 Systems for controlling missiles or projectiles, not provided for elsewhere

- 9/002 . {for guiding a craft to a correct firing position ([for bombing control F41G 9/02](#))}
- 9/004 . . {Training or teaching apparatus therefor}
- 9/006 . . {for torpedo launchers ([torpedo launching-apparatus F41F 3/08](#))}
- 9/008 . {Means for controlling firing of torpedoes; Torpedo directors ([acoustic homing F41G 7/228](#))}
- 9/02 . for bombing control ([bombsights F41G 3/24](#))
- 9/025 . . {Training or teaching apparatus therefor}

11/00 Details of sighting or aiming apparatus; Accessories {(tools for adjustment of sights [F41G 1/545](#))}

- 11/001 . {Means for mounting tubular or beam shaped sighting or aiming devices on firearms}
- 11/002 . . {Mountings with recoil absorbing means}
- 11/003 . . {Mountings with a dove tail element, e.g. "Picatinny rail systems"}
- 11/004 . . {Mountings with clamping means on the device embracing at least a part of the firearm, e.g. the receiver or a dustcover ([F41G 11/003 takes precedence](#))}
- 11/005 . . {Mountings using a pivot point and an anchoring point}
- 11/006 . . . {the device being rotated in a horizontal plane}
- 11/007 . . . {the device being tilted in a vertical plane}
- 11/008 . . . {the device being pivotable about an axis coaxial with the axis of the barrel, e.g. for loading}

2700/00 Torpedoes

- 2700/005 . Remote steering of torpedoes by means of electric or acoustic waves or otherwise