

CPC**COOPERATIVE PATENT CLASSIFICATION****F41G****WEAPON SIGHTS; AIMING** (optical aspects thereof [G02B](#))**F41G 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](#)})

F41G 1/01

- characterised by the visual combination effect of the respective geometrical forms of fore and rear sight ([F41G 1/42](#) takes precedence)

F41G 1/02

- Foresights

F41G 1/027

- with lens

F41G 1/033

- adjustable

F41G 1/04

- Protection means therefor

F41G 1/06

- Rearsights

F41G 1/065

- {Protection means therefor ([F41G 1/04](#) takes precedence)}

F41G 1/08

- with aperture; {tubular or of ring form; Peep sights ([F41G 1/42](#) takes precedence)}

F41G 1/10

- with notch

F41G 1/12

- with line or mark other than notch

F41G 1/14

- with lens

F41G 1/16

- Adjusting mechanisms therefor; Mountings therefor

F41G 1/17

- Convertible sights, i.e. sets of two or more sights brought into the sight line optionally

F41G 1/18

- Clicking-indicators with spring detents

F41G 1/20

- coarse and fine

F41G 1/22

- Friction clamps

F41G 1/24

- rack-and-pinion; lever; linkwork

F41G 1/26

- screw

F41G 1/28

- wedge; cam; eccentric

F41G 1/30

- Reflecting-sights specially adapted for smallarms or ordnance ([reflecting-sights in general G02B](#))

F41G 1/32

- Night sights, e.g. luminescent {(optical aspects of sighting devices [G02B 23/00](#), [G02B 27/00](#))}

F41G 1/34

- combined with light source, e.g. spot-light

F41G 1/345

- {for illuminating the sights}

F41G 1/35

- for illuminating the target, {e.g. flash lights}

F41G 1/36

- with infra-red light source

F41G 1/38

- Telescopic sights specially adapted for smallarms or ordnance ([telescopic sights in general G02B](#)); Supports or mountings therefor

F41G 1/383

- {Protection means therefor}

F41G 1/387

- Mounting telescopic sights on smallarms

- F41G 1/393
 - . Mounting telescopic sights on ordnance; Transmission of sight movements to the associated gun
- F41G 1/3935
 - . . {Transmission of sight movements to the associated gun}
- F41G 1/40
 - Periscopic sights specially adapted for smallarms or ordnance (periscopic sights in general [G02B](#)); Supports or mountings therefor
- F41G 1/41
 - . Mounting periscopic sights on smallarms
- F41G 1/42
 - Tube sights; Bar sights ; {Combinations of tubular fore and rearsights}
- F41G 1/425
 - . {Bar sights}
- F41G 1/44
 - Spirit-level adjusting means, e.g. for correcting tilt ; {Means for indicating or correcting tilt or cant}
- F41G 1/46
 - for particular applications
- F41G 1/467
 - . for bows
- F41G 1/473
 - . for lead-indicating or range-finding, e.g. for use with rifles or shotguns
- F41G 1/48
 - . for firing grenades from rifles
- F41G 1/50
 - . for trench mortars {or for other mortars}
- F41G 1/52
 - . for rifles or shotguns having two or more barrels, or adapted to fire different kinds of ammunition, e.g. ball or shot
- F41G 1/54
 - Devices for testing or checking; {Tools for adjustment of sights}
- F41G 1/545
 - . {Tools for adjustment of sights}
- F41G 3/00**

Aiming means; Laying means (sighting-devices [F41G 1/00](#); {mounting tubular or beam shaped aiming devices on firearms [F41G 11/001](#);} determining direction, distance or velocity by use of radio or other waves [G01S](#); computer [G06](#); aerials [H01Q](#))
- F41G 3/005
 - {with means for correcting the parallax between the sighting means and the muzzle axis}
- F41G 3/02
 - using an independent line of sight
- F41G 3/04
 - for dispersing fire from a battery; {for controlling spread of shots; for coordinating fire from spaced weapons}
- F41G 3/06
 - with rangefinder (rangefinders per se [G01C](#))
- F41G 3/065
 - . {Structural association of sighting-devices with laser telemeters}
- F41G 3/08
 - with means for compensating for speed, direction, temperature, pressure, or humidity of the atmosphere (measuring [G01](#))
- F41G 3/10
 - with means for compensating for canting of the trunnions
- F41G 3/12
 - with means for compensating for muzzle velocity or powder temperature {with means for compensating for gun vibrations}
- F41G 3/14
 - Indirect aiming means
- F41G 3/142
 - . {based on observation of a first shoot; using a simulated shoot (training [F41G 3/26](#))}
- F41G 3/145
 - . {using a target illuminator}
- F41G 3/147
 - . {based on detection of a firing weapon}
- F41G 3/16
 - . Sighting devices adapted for indirect laying of fire
- F41G 3/165
 - . . {using a TV-monitor}
- F41G 3/18
 - . Auxiliary target devices adapted for indirect laying of fire

- F41G 3/20
 - . specially adapted for mountain artillery
- F41G 3/22
 - for vehicle-borne armament, e.g. on aircraft
- F41G 3/225
 - . {Helmet sighting systems}
- F41G 3/24
 - . Bombsights
- F41G 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](#)})
- F41G 3/2605
 - . {using a view recording device cosighted with the gun ([F41G 3/2616](#) takes precedence)}
- F41G 3/2611
 - . . {coacting with a TV-monitor}
- F41G 3/2616
 - . {using a light emitting device}
- F41G 3/2622
 - . . {for simulating the firing of a gun or the trajectory of a projectile}
- F41G 3/2627
 - . . . {Cooperating with a motion picture projector}
- F41G 3/2633
 - {using a TV type screen, e.g. a CRT, displaying a simulated target}
- F41G 3/2638
 - {giving hit coordinates by means of raster control signals, e.g. standard light pen}
- F41G 3/2644
 - {Displaying the trajectory or the impact point of a simulated projectile in the gunner's sight}
- F41G 3/265
 - {with means for selecting or varying the shape or the direction of the emitted beam}
- F41G 3/2655
 - {in which the light beam is sent from the weapon to the target}
- F41G 3/2661
 - {in which the light beam is sent from the target to the weapon ([F41G 3/2638](#) takes precedence)}
- F41G 3/2666
 - {with means for selecting or varying PRF or time coding of the emitted beam}
- F41G 3/2672
 - {using PRF adapted receiver}
- F41G 3/2677
 - {with PRF determination}
- F41G 3/2683
 - {with reflection of the beam on the target back to the weapon}
- F41G 3/2688
 - {using target range measurement, e.g. with a laser rangefinder}
- F41G 3/2694
 - . . . {for simulating a target ([F41G 3/2627](#) takes precedence; moving targets per se [F41J 9/00](#))}
- F41G 3/28
 - . Small-scale apparatus ([relief models or maps G09B](#))
- F41G 3/30
 - . Gun-laying apparatus
- F41G 3/32
 - Devices for testing or checking
- F41G 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](#))}
- F41G 3/326
 - . {for checking the angle between the axis of the gun sighting device and an auxiliary measuring device ([F41G 3/323](#) takes precedence)}
- F41G 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](#))
- F41G 5/02
 - using only mechanical means for remote control

- F41G 5/04 . using hydraulic means for remote control
- F41G 5/06 . using electric means for remote control
- F41G 5/08 . Ground-based tracking-systems for aerial targets
- F41G 5/12 . acoustically influenced
- F41G 5/14 . for vehicle-borne guns
- F41G 5/16 . . gyroscopically influenced
- F41G 5/18 . . Tracking systems for guns on aircraft
- F41G 5/20 . . for guns on ships
- F41G 5/22 . . . to compensate for rolling or pitching
- F41G 5/24 . . for guns on tanks
- F41G 5/26 . Apparatus for testing or checking

F41G 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](#))

- F41G 7/001 . {Devices or systems for testing or checking}
- F41G 7/002 . . {target simulators}
- F41G 7/003 . . . {for seekers using radio waves}
- F41G 7/004 . . . {for infra-red seekers}
- F41G 7/005 . . {for testing benches or sets}
- F41G 7/006 . {Guided missiles training or simulation devices}
- F41G 7/007 . {Preparatory measures taken before the launching of the guided missiles}
- F41G 7/008 . {Combinations of different guidance systems}
- F41G 7/20 . based on continuous observation of target position
- F41G 7/22 . . Homing guidance systems
- F41G 7/2206 . . . {using a remote control station}
- F41G 7/2213 . . . {maintaining the axis of an orientable seeking head pointed at the target, e.g. target seeking gyro}
- F41G 7/222 . . . {for spin-stabilized missiles}
- F41G 7/2226 . . . {comparing the observed data with stored target data, e.g. target configuration data}
- F41G 7/2233 . . . {Multimissile systems}
- F41G 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](#))}
- F41G 7/2246 . . . {Active homing systems, i.e. comprising both a transmitter and a receiver}
- F41G 7/2253 . . . {Passive homing systems, i.e. comprising a receiver and do not requiring an active illumination of the target}
- F41G 7/226 . . . {Semi-active homing systems, i.e. comprising a receiver and involving auxiliary illuminating means, e.g. using auxiliary guiding missiles}

- F41G 7/2266 {Systems comparing signals received from a base station and reflected from the target}
- F41G 7/2273 . . . {characterised by the type of waves}
- F41G 7/228 {using acoustic waves, e.g. for torpedoes}
- F41G 7/2286 {using radio waves}
- F41G 7/2293 {using electromagnetic waves other than radio waves}
- F41G 7/24 . . Beam riding guidance systems ([conical-scan beam beacons therefor G01S 1/42](#))
- F41G 7/26 . . . Optical guidance systems
- F41G 7/263 {Means for producing guidance beams}
- F41G 7/266 {for spin-stabilized missiles}
- F41G 7/28 . . . Radio guidance systems
- F41G 7/30 . . Command link guidance systems {(homing [F41G 7/2206](#))}
- F41G 7/301 . . . {Details}
- F41G 7/303 {Sighting or tracking devices especially provided for simultaneous observation of the target and of the missile}
- F41G 7/305 {for spin-stabilized missiles}
- F41G 7/306 {for transmitting guidance signals; ([F41G 7/308](#) takes precedence)}
- F41G 7/308 {for guiding a plurality of missiles}
- F41G 7/32 . . . for wire-guided missiles
- F41G 7/34 . . based on predetermined target position data
- F41G 7/343 . . {comparing observed and stored data of target position or of distinctive marks along the path towards the target}
- F41G 7/346 . . {using global navigation satellite systems, e.g. GPS, GALILEO, GLONASS}
- F41G 7/36 . . using inertial references

- F41G 9/00** **Systems for controlling missiles or projectiles, not provided for elsewhere**
- F41G 9/002 . {for guiding a craft to a correct firing position (for bombing control [F41G 9/02](#))}
- F41G 9/004 . . {Training or teaching apparatus therefor}
- F41G 9/006 . . {for torpedo launchers (torpedo launching-apparatus [F41F 3/08](#))}
- F41G 9/008 . {Means for controlling firing of torpedoes; Torpedo directors (acoustic homing [F41G 7/228](#))}
- F41G 9/02 . for bombing control (bombsights [F41G 3/24](#))
- F41G 9/025 . . {Training or teaching apparatus therefor}

- F41G 11/00** **Details of sighting or aiming apparatus; Accessories {(Tools for adjustment of sights [F41G 1/545](#))}**
- F41G 11/001 . {Means for mounting tubular or beam shaped sighting or aiming devices on firearms}
- F41G 11/002 . . {Mountings with recoil absorbing means}
- F41G 11/003 . . {Mountings with a dove tail element, e.g. "Picatinny rail systems"}

- F41G 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)}
- F41G 11/005
 - • {Mountings using a pivot point and an anchoring point}
- F41G 11/006
 - • • {the device being rotated in a horizontal plane}
- F41G 11/007
 - • • {the device being tilted in a vertical plane}
- F41G 11/008
 - • • {the device being pivotable about an axis coaxial with the axis of the barrel, e.g. for loading}
- F41G 2700/00**
 - Torpedoes**
- F41G 2700/005
 - Remote steering of torpedoes by means of electric or acoustic waves or otherwise