

**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 ( <a href="#">conical-scan beam beacons therefor G01S 1/42</a> )
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 {( <a href="#">homing F41G 7/2206</a> )}
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; ( <a href="#">F41G 7/308 takes precedence</a> )}
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
<b>F41G 9/00</b>	<b>Systems for controlling missiles or projectiles, not provided for elsewhere</b>
F41G 9/002	. {for guiding a craft to a correct firing position ( <a href="#">for bombing control F41G 9/02</a> )}
F41G 9/004	. . {Training or teaching apparatus therefor}
F41G 9/006	. . {for torpedo launchers ( <a href="#">torpedo launching-apparatus F41F 3/08</a> )}
F41G 9/008	. {Means for controlling firing of torpedoes; Torpedo directors ( <a href="#">acoustic homing F41G 7/228</a> )}
F41G 9/02	. for bombing control ( <a href="#">bombsights F41G 3/24</a> )
F41G 9/025	. . {Training or teaching apparatus therefor}
<b>F41G 11/00</b>	<b>Details of sighting or aiming apparatus; Accessories {(Tools for adjustment of sights <a href="#">F41G 1/545</a>)}</b>
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