

**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 13/76Z](#), [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 <a href="#">G01S 7/36</a> , <a href="#">G01S 7/38</a> ; defense installations in general <a href="#">F41H 11/02</a> ; chaff dispensers <a href="#">F42B 12/70</a> )}
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 { homing <a href="#">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</a> 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 1/003** 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