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)**

**WARNING**

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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)*

1/01  characterised by the visual combination effect of the respective geometrical forms of fore and rear sight *(F41G 1/42 takes precedence)*

1/02  **Foresights**

1/027  with lens

1/033  adjustable

1/04  **Protection means therefor**

1/06  **Rearsights**

1/065  *(Protection means therefor (F41G 1/04 takes precedence))*

1/08  **with aperture** *(; tubular or of ring form; Peep sights (F41G 1/42 takes precedence))*

1/10  **with notch**

1/12  **with line or mark other than notch**

1/14  **with lens**

1/16  **Adjusting mechanisms therefor; Mountings therefor**

1/17  **Convertible sights, i.e. sets of two or more sights brought into the sight line optionally**

1/18  **Clicking-indicators with spring detents**

1/20  **coarse and fine**

1/22  **Friction clamps**

1/24  **rack-and-pinion; lever; linkwork**

1/26  **screw**

1/28  **wedge; cam; eccentric**

1/30  **Reflecting-sights specially adapted for smallarms or ordnance (reflecting-sights in general G02B)**

1/32  **Night sights, e.g. luminescent (optical aspects of sighting devices G02B 23/00, G02B 27/00)**

1/34  **combined with light source, e.g. spot light**

1/345  *(for illuminating the sights)*

1/35  **for illuminating the target, e.g. flash lights**

1/36  **with infra-red light source**

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)*

1/40  **Periscopic sights specially adapted for smallarms or ordnance (periscopic sights in general G02B); Supports or mountings therefor**

1/41  . . . **Mounting periscopic sights on smallarms**

1/42  **Tube sights; Bar sights (; Combinations of tubular fore and rearsights)**

1/425  . . . *(Bar sights)*

1/44  **Spirit-level adjusting means, e.g. for correcting tilt; (Means for indicating or correcting tilt or cant)**

1/46  . . . for particular applications

1/467  . . . **for bows**

1/473  . . . **for lead-indicating or range-finding, e.g. for use with rifles or shotguns**

1/48  . . . **for firing grenades from rifles**

1/50  . . . **for trench mortars [or for other mortars]**

1/52  . . . **for rifles or shotguns having two or more barrels, or adapted to fire different kinds of ammunition, e.g. ball or shot**

1/54  . . . **Devices for testing or checking (; Tools for adjustment of sights)**

1/545  . . . *(Tools for adjustment of sights)*

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)**

3/005  . . . *(with means for correcting the parallax between the sighting means and the muzzle axis)*

3/02  . . . **using an independent line of sight**

3/04  . . . **for dispersing fire from a battery (; for controlling spread of shots; for coordinating fire from spaced weapons)**

3/06  . . . **with rangefinder (rangefinders per se G01C)**

3/065  . . . *(Structural association of sighting-devices with laser telemeters)*

3/08  . . . **with means for compensating for speed, direction, temperature, pressure, or humidity of the atmosphere (measuring G01)**

3/10  . . . **with means for compensating for canting of the trunnions**
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

Direction control systems for self-propelled
missiles (flight control B64C, G05D 1/00 ;
countermeasures against guided missiles F41H 11/02; spin-
stabilized 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)
{Systems comparing signals received from a base station and reflected from the target}

{characterised by the type of waves}

{using acoustic waves, e.g. for torpedoes}

{using radio waves}

{using electromagnetic waves other than radio waves}

Beam riding guidance systems (conical-scan beam beacons therefor G01S 1/42)

Optical guidance systems

{Means for producing guidance beams}

{for spin-stabilized missiles}

Radio guidance systems

Command link guidance systems {(homing F41G 7/2206)}

{Details}

{Sighting or tracking devices especially provided for simultaneous observation of the target and of the missile}

{for spin-stabilized missiles}

{for transmitting guidance signals; (F41G 7/308 takes precedence)}

{for guiding a plurality of missiles}

for wire-guided missiles

WARNING

Group F41G 7/32 is incomplete pending reclassification of documents from groups F42B 19/01 and F42B 19/10.

Groups F41G 7/32, F42B 19/01 and F42B 19/10 should be considered in order to perform a complete search.

based on predetermined target position data

{comparing observed and stored data of target position or of distinctive marks along the path towards the target}

(using global navigation satellite systems, e.g. GPS, GALILEO, GLONASS)

using inertial references

Systems for controlling missiles or projectiles, not provided for elsewhere

{for guiding a craft to a correct firing position (for bombing control F41G 9/02)}

{Training or teaching apparatus therefor}

{for torpedo launchers (torpedo launching-apparatus F41F 3/08)}

{Means for controlling firing of torpedoes; Torpedo directors (acoustic homing F41G 7/228)}

for bombing control (bombsights F41G 3/24)

{Training or teaching apparatus therefor}

Details of sighting or aiming apparatus;

Accessories {(tools for adjustment of sights F41G 1/545)}

{Means for mounting tubular or beam shaped sighting or aiming devices on firearms}

{Mountings with recoil absorbing means}

{Mountings with a dove tail element, e.g. "Picatinny rail systems"}

{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)}