

## SECTION F — MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING

### F41 WEAPONS

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

- 1/00 Sighting devices** (for indirect laying of fire F41G 3/16; bombsights F41G 3/24)
- 1/01 • characterised by the visual combination effect of the respective geometrical forms of fore and rear sight (F41G 1/42 takes precedence) [5]
- 1/02 • Foresights
- 1/027 • • with lens [5]
- 1/033 • • adjustable [5]
- 1/04 • • Protection means therefor
- 1/06 • Rearsights
- 1/08 • • with aperture
- 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 [5]
- 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
- 1/34 • • combined with light source, e.g. spot light
- 1/35 • • • for illuminating the target [5]
- 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
- 1/387 • • Mounting telescopic sights on smallarms [5]
- 1/393 • • Mounting telescopic sights on ordnance; Transmission of sight movements to the associated gun [5]
- 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 [5]
- 1/42 • Tube sights; Bar sights
- 1/44 • Spirit-level adjusting-means, e.g. for correcting tilt
- 1/46 • for particular applications
- 1/467 • • for bows [5]
- 1/473 • • for lead-indicating or range-finding, e.g. for use with rifles or shotguns [5]
- 1/48 • • for firing grenades from rifles
- 1/50 • • for trench 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
- 3/00 Aiming means; Laying means** (sighting devices F41G 1/00; determining direction, distance or velocity by use of radio or other waves G01S; computers G06; aerials H01Q)
- 3/02 • using an independent line of sight
- 3/04 • for dispersing fire from a battery
- 3/06 • with rangefinder (rangefinders *per se* G01C)
- 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
- 3/12 • with means for compensating for muzzle velocity or powder temperature
- 3/14 • Indirect aiming means
- 3/16 • • Sighting devices adapted for indirect laying of fire
- 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
- 3/24 • • Bombsights
- 3/26 • Teaching or practice apparatus for gun-aiming or gun-laying
- 3/28 • • Small-scale apparatus (relief models or maps G09B)
- 3/30 • • Gun-laying apparatus
- 3/32 • Devices for testing or checking
- 5/00 Elevating or traversing control systems for guns** (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

## F41G

- 7/00 Direction control systems for self-propelled missiles**  
(flight control B64C, G05D 1/00; 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)
- 7/20 • based on continuous observation of target position [3]
  - 7/22 • • Homing guidance systems [3]
  - 7/24 • • Beam riding guidance systems (conical-scan beam beacons therefor G01S 1/42) [3]
  - 7/26 • • • Optical guidance systems [3]

- 7/28 • • • Radio guidance systems [3]
- 7/30 • • Command link guidance systems [3]
- 7/32 • • • for wire-guided missiles [3]
- 7/34 • based on predetermined target position data [3]
- 7/36 • • using inertial references [3]

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

- 9/02 • for bombing control (bombsights F41G 3/24)

**11/00 Details of sighting or aiming apparatus; Accessories**