

CPC COOPERATIVE PATENT CLASSIFICATION

F MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING (NOTE omitted)

WEAPONS; BLASTING

F41 WEAPONS (NOTES omitted)

F41J TARGETS; TARGET RANGES; BULLET CATCHERS {(targets for shooting or hurling games [A63F 9/0204](#))}

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.

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| <p>1/00 Targets; Target stands; Target holders
(F41J 2/00 - F41J 11/00 take precedence; targets combined with bullet catchers F41J 13/02)</p> <p>1/01 . Target discs characterised by their material, structure or surface, {e.g. clay pigeon targets characterised by their material}(F41J 5/044 takes precedence)</p> <p>1/08 . for ordnance, e.g. cannons; for attacking by aircraft; Full-scale models imitating target objects, e.g. tanks, aircraft</p> <p>1/10 . Target stands; Target holders</p> <p>2/00 Reflecting targets, e.g. radar-reflector targets; Active targets transmitting electromagnetic {or acoustic} waves</p> <p>2/02 . Active targets transmitting infra-red radiation</p> <p>3/00 Targets for arrows or darts, e.g. for sporting or amusement purposes {(targets for shooting or hurling games A63F 9/0204)}</p> <p>3/0004 . {Archery targets}</p> <p>3/0009 . {Dartboards}</p> <p>3/0014 . . {Dartboard holders}</p> <p>3/0019 . . . {Stands or wall mountings especially adapted for dartboards}</p> <p>3/0023 . . . {Holders especially adapted for rotating the dartboard during use}</p> <p>3/0028 . . . {Dart cabinets, i.e. cabinets adapted for the dartboard or dartboard accessories}</p> <p>3/0033 . . {Dartboards for use with safety darts}</p> <p>3/0038 . . . {having a smooth surface especially for suction tips darts}</p> <p>3/0042 . . . {having perforations for receiving blunt tip darts}</p> <p>3/0047 . . . {having protrusions for receiving blunt tip darts in between}</p> <p>3/0052 . . . {having a hook and loop surface for hook and loop tip darts}</p> <p>3/0057 . . . {having a magnetic surface for receiving magnetic tip darts}</p> <p>3/0061 . . {Target faces}</p> <p>3/0066 . . . {Segmentation of conventional target faces}</p> <p>3/0071 . . . {Non-conventional target faces}</p> | <p>3/0076 {Target faces simulating a different sport or game, e.g. football, billiard or rugby}</p> <p>3/008 . . . {characterised by the material}</p> <p>3/0085 {made of natural fibres}</p> <p>3/009 {made of plastic or foam}</p> <p>3/0095 . . {Manufacture of dartboards}</p> <p>3/02 . Indicators or score boards for arrow or dart games
{F41J 5/00 takes precedence; timetables, lists or forms for shooter enlistment B42D 15/0066}</p> <p>5/00 Target indicating systems; Target-hit or score detecting systems {(for shooting or hurling games A63F 9/0204; devices for measuring projectile velocity using optical means G01P 3/685)}</p> <p>5/02 . Photo-electric hit-detector systems {(comprising a light-emitting device for simulating the firing of a gun F41G 3/2622; detecting by optical means G01V 8/10)}</p> <p>5/04 . Electric hit-indicating systems; Detecting hits by actuation of electric contacts or switches</p> <p>5/041 . . {Targets comprising two sets of electric contacts forming a coordinate system grid}</p> <p>5/042 . . {Targets comprising a system of electric contacts lying in the same plane for bridging by hitting projectiles}</p> <p>5/044 . . Targets having two or more electrically-conductive layers for short-circuiting by penetrating projectiles</p> <p>5/048 . . . one of the layers being in the form of discrete target sections</p> <p>5/052 . . Targets comprising a plurality of electric contacts, each corresponding to a discrete target section and being actuated by the movement thereof
(F41J 5/056 takes precedence)</p> <p>5/056 . . Switch actuation by hit-generated mechanical vibration of the target body, e.g. using shock or vibration transducers</p> <p>5/06 . Acoustic hit-indicating systems, i.e. detecting of shock waves (F41J 5/056 takes precedence)</p> <p>5/08 . Infra-red hit-indicating systems</p> <p>5/10 . Cinematographic hit-indicating systems
(cinematographic targets F41J 9/14)</p> <p>5/12 . for indicating the distance by which a bullet misses the target (F41J 5/02 - F41J 5/10 takes precedence)</p> |
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F41J

- 5/14 . Apparatus for signalling hits or scores to the shooter, e.g. manually operated, or for communication between target and shooter; Apparatus for recording hits or scores
- 5/16 . . Manually evaluating scores, e.g. using scoring plugs or gauges; Apparatus for evaluating scores on targets after removal from the target holder
- 5/18 . Targets having hit-indicating means actuated or moved mechanically when the target has been hit, e.g. discs or flags ([the target as a whole disappearing or moving when hit F41J 7/04](#))
- 5/20 . . indicating which part of the target has been hit, i.e. the score
- 5/205 . . . {having target sections displaced or broken when hit, e.g. for visual inspection}
- 5/22 . . the indicating means being a dispensing device
- 5/24 . Targets producing a particular effect when hit, e.g. detonation of pyrotechnic charge, bell ring, photograph
- 5/26 . . exploding or disintegrating when hit ([F41J 9/16 takes precedence](#))

- 7/00 Movable targets which are stationary when fired at**
- 7/02 . movable for checking
- 7/04 . disappearing {or moving} when hit {(exploding targets [F41J 5/26](#); exploding clay-pigeon targets [F41J 9/165](#))}
- 7/06 . Bobbing targets, i.e. targets intermittently or unexpectedly appearing

- 9/00 Moving targets, i.e. moving when fired at ([F41J 2/00 takes precedence](#))**
- 9/02 . Land-based targets {, e.g. inflatable targets supported by fluid pressure}
- 9/04 . Seagoing targets
- 9/06 . . towed
- 9/08 . Airborne targets, e.g. drones, kites, balloons {(aircraft for towing targets [B64D 3/02](#))}
- 9/10 . . towed
- 9/14 . Cinematographic targets, e.g. moving-picture targets {([F41G 3/26 takes precedence](#))}
- 9/16 . Clay-pigeon targets; Clay-disc targets {([F41J 1/01 takes precedence](#))}
- 9/165 . . {with hit-marking or tracer means}
- 9/18 . . Traps or throwing-apparatus therefor
- 9/20 . . . with spring-operated throwing arm
- 9/22 cocked by manual action
- 9/24 cocked by electromechanical means
- 9/26 . . . operated by fluid means
- 9/28 . . . operated by manual action
- 9/30 . . . characterised by using a magazine of targets
- 9/32 . . . characterised by means for obviating the anticipation of the flight path

- 11/00 Target ranges {(timetables, lists or forms for shooter enlistment [B42D 15/0066](#))}**
- 11/02 . Safety means therefor

- 13/00 Bullet catchers**
- 13/02 . combined with targets