

CPC COOPERATIVE PATENT CLASSIFICATION

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

- 1/00** **Targets; Target stands; Target holders**
([F41J 2/00](#) - [F41J 11/00](#) take precedence; targets combined with bullet catchers [F41J 13/02](#))
- 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)
- 1/08 . for ordnance, e.g. cannons; for attacking by aircraft; Full-scale models imitating target objects, e.g. tanks, aircraft
- 1/10 . Target stands; Target holders
- 2/00** **Reflecting targets, e.g. radar-reflector targets; Active targets transmitting electromagnetic {or acoustic} waves**
- 2/02 . Active targets transmitting infra-red radiation
- 3/00** **Targets for arrows or darts, e.g. for sporting or amusement purposes {(targets for shooting or hurling games [A63F 9/0204](#))}**
- 3/0004 . {Archery targets}
- 3/0009 . {Dartboards}
- 3/0014 . . {Dartboard holders}
- 3/0019 . . . {Stands or wall mountings especially adapted for dartboards}
- 3/0023 . . . {Holders especially adapted for rotating the dartboard during use}
- 3/0028 . . . {Dart cabinets, i.e. cabinets adapted for the dartboard or dartboard accessories}
- 3/0033 . . {Dartboards for use with safety darts}
- 3/0038 . . . {having a smooth surface especially for suction tips darts}
- 3/0042 . . . {having perforations for receiving blunt tip darts}
- 3/0047 . . . {having protrusions for receiving blunt tip darts in between}
- 3/0052 . . . {having a hook and loop surface for hook and loop tip darts}
- 3/0057 . . . {having a magnetic surface for receiving magnetic tip darts}
- 3/0061 . . {Target faces}
- 3/0066 . . . {Segmentation of conventional target faces}
- 3/0071 . . . {Non-conventional target faces}
- 3/0076 {Target faces simulating a different sport or game, e.g. football, billiard or rugby}
- 3/008 {characterised by the material}
- 3/0085 {made of natural fibres}
- 3/009 {made of plastic or foam}
- 3/0095 . . {Manufacture of dartboards}
- 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](#))
- 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](#))}**
- 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](#))}
- 5/04 . Electric hit-indicating systems; Detecting hits by actuation of electric contacts or switches
- 5/041 . . {Targets comprising two sets of electric contacts forming a coordinate system grid}
- 5/042 . . {Targets comprising a system of electric contacts lying in the same plane for bridging by hitting projectiles}
- 5/044 . . Targets having two or more electrically-conductive layers for short-circuiting by penetrating projectiles
- 5/048 . . . one of the layers being in the form of discrete target sections
- 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)
- 5/056 . . Switch actuation by hit-generated mechanical vibration of the target body, e.g. using shock or vibration transducers
- 5/06 . Acoustic hit-indicating systems, i.e. detecting of shock waves ([F41J 5/056](#) takes precedence)
- 5/08 . Infra-red hit-indicating systems
- 5/10 . Cinematographic hit-indicating systems
(cinematographic targets [F41J 9/14](#))
- 5/12 . for indicating the distance by which a bullet misses the target ([F41J 5/02](#) - [F41J 5/10](#) takes precedence)
- 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