

# 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](#))}

- |             |                                                                                                                                                                                               |             |                                                                                                                                                                                                                                   |
|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1/00</b> | <b>Targets; Target stands; Target holders</b><br>( <a href="#">F41J 2/00</a> - <a href="#">F41J 11/00</a> take precedence; targets combined with bullet catchers <a href="#">F41J 13/02</a> ) | 3/0095      | . . {Manufacture of dartboards}                                                                                                                                                                                                   |
| 1/01        | . Target discs characterised by their material, structure or surface, {e.g. clay pigeon targets characterised by their material} ( <a href="#">F41J 5/044</a> takes precedence)               | 3/02        | . Indicators or score boards for arrow or dart games {( <a href="#">F41J 5/00</a> takes precedence; timetables, lists or forms for shooter enlistment <a href="#">B42D 15/0066</a> )}                                             |
| 1/08        | . for ordnance, e.g. cannons; for attacking by aircraft; Full-scale models imitating target objects, e.g. tanks, aircraft                                                                     | <b>5/00</b> | <b>Target indicating systems; Target-hit or score detecting systems</b> {(for shooting or hurling games <a href="#">A63F 9/0204</a> ; devices for measuring projectile velocity using optical means <a href="#">G01P 3/685</a> )} |
| 1/10        | . Target stands; Target holders                                                                                                                                                               | 5/02        | . Photo-electric hit-detector systems {(comprising a light-emitting device for simulating the firing of a gun <a href="#">F41G 3/2622</a> ; detecting by optical means <a href="#">G01V 8/10</a> )}                               |
| <b>2/00</b> | <b>Reflecting targets, e.g. radar-reflector targets; Active targets transmitting electromagnetic {or acoustic} waves</b>                                                                      | 5/04        | . Electric hit-indicating systems; Detecting hits by actuation of electric contacts or switches                                                                                                                                   |
| 2/02        | . Active targets transmitting infra-red radiation                                                                                                                                             | 5/041       | . . {Targets comprising two sets of electric contacts forming a coordinate system grid}                                                                                                                                           |
| <b>3/00</b> | <b>Targets for arrows or darts, e.g. for sporting or amusement purposes</b> {(targets for shooting or hurling games <a href="#">A63F 9/0204</a> )}                                            | 5/042       | . . {Targets comprising a system of electric contacts lying in the same plane for bridging by hitting projectiles}                                                                                                                |
| 3/0004      | . {Archery targets}                                                                                                                                                                           | 5/044       | . . Targets having two or more electrically-conductive layers for short-circuiting by penetrating projectiles                                                                                                                     |
| 3/0009      | . {Dartboards}                                                                                                                                                                                | 5/048       | . . . one of the layers being in the form of discrete target sections                                                                                                                                                             |
| 3/0014      | . . {Dartboard holders}                                                                                                                                                                       | 5/052       | . . Targets comprising a plurality of electric contacts, each corresponding to a discrete target section and being actuated by the movement thereof ( <a href="#">F41J 5/056</a> takes precedence)                                |
| 3/0019      | . . . {Stands or wall mountings especially adapted for dartboards}                                                                                                                            | 5/056       | . . Switch actuation by hit-generated mechanical vibration of the target body, e.g. using shock or vibration transducers                                                                                                          |
| 3/0023      | . . . {Holders especially adapted for rotating the dartboard during use}                                                                                                                      | 5/06        | . Acoustic hit-indicating systems, i.e. detecting of shock waves ( <a href="#">F41J 5/056</a> takes precedence)                                                                                                                   |
| 3/0028      | . . . {Dart cabinets, i.e. cabinets adapted for the dartboard or dartboard accessories}                                                                                                       | 5/08        | . Infra-red hit-indicating systems                                                                                                                                                                                                |
| 3/0033      | . . {Dartboards for use with safety darts}                                                                                                                                                    | 5/10        | . Cinematographic hit-indicating systems ( <a href="#">cinematographic targets F41J 9/14</a> )                                                                                                                                    |
| 3/0038      | . . . {having a smooth surface especially for suction tips darts}                                                                                                                             | 5/12        | . for indicating the distance by which a bullet misses the target ( <a href="#">F41J 5/02</a> - <a href="#">F41J 5/10</a> takes precedence)                                                                                       |
| 3/0042      | . . . {having perforations for receiving blunt tip darts}                                                                                                                                     | 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                                                         |
| 3/0047      | . . . {having protrusions for receiving blunt tip darts in between}                                                                                                                           | 5/16        | . . Manually evaluating scores, e.g. using scoring plugs or gauges; Apparatus for evaluating scores on targets after removal from the target holder                                                                               |
| 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}                                                                                                                                                             |             |                                                                                                                                                                                                                                   |

## F41J

- 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