

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

### F42 AMMUNITION; BLASTING

**F42D BLASTING** (fuses, e.g. fuse cords, C06C 5/00; blasting cartridges F42B 3/00)

#### **1/00 Blasting methods or apparatus, e.g. for loading or tamping**

- 1/02 • Arranging blasting cartridges to form an assembly (adaptation of blasting cartridges therefor F42B 3/02)
- 1/04 • Arrangements for ignition
- 1/045 • • Arrangements for electric ignition (dynamo-electric generators H02K) [5]
- 1/05 • • • Electric circuits for blasting [5]
- 1/055 • • • • specially adapted for firing multiple charges with a time delay [5]
- 1/06 • • Relative timing of multiple charges (F42D 1/055 takes precedence)
- 1/08 • Tamping methods; Methods for loading boreholes with explosives; Apparatus therefor [5]
- 1/10 • • Feeding explosives in granular or slurry form; Feeding explosives by pneumatic or hydraulic pressure [5]
- 1/12 • • Feeding tamping material by pneumatic or hydraulic pressure [5]
- 1/14 • • Hand-operated tamping or loading [5]
- 1/16 • • • Tamping tools [5]
- 1/18 • • Plugs for boreholes [5]
- 1/20 • • Tamping cartridges, i.e. cartridges containing tamping material (flexible or deformable blasting cartridges F42B 3/087) [5]

- 1/22 • • Means for holding or positioning blasting cartridges or tamping cartridges in boreholes [5]
- 1/24 • • characterised by the tamping material [5]
- 1/26 • • • Tamping with foaming agents [5]
- 1/28 • • • Tamping with gelling agents [5]

#### **3/00 Particular applications of blasting techniques**

- 3/02 • for demolition of tall structures, e.g. chimney stacks
- 3/04 • for rock blasting
- 3/06 • for seismic purposes

#### **5/00 Safety arrangements**

- 5/02 • Locating undetonated charges
- 5/04 • Rendering explosive charges harmless, e.g. destroying ammunition (extracting primers, dismantling ammunition F42B 33/04, F42B 33/06); Rendering detonation of explosive charges harmless [5]
- 5/045 • • Detonation-wave absorbing or damping means [5]
- 5/05 • • • Blasting mats [5]
- 5/055 • • Silencing means for blasting operations (F42D 5/045 takes precedence) [5]
- 5/06 • Unloading boreholes

**99/00 Subject matter not provided for in other groups of this subclass [2009.01]**