

Symbol	Typ	Titel
F	Sektion	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING
F42	Klasse	AMMUNITION; BLASTING
F42D	Unterklasse	BLASTING (fuses, e.g. fuse cords, C06C 5/00; blasting cartridges F42B 3/00)
F42D 1/00	Hauptgruppe	Blasting methods or apparatus, e.g. for loading or tamping [1, 2006.01]
F42D 1/02	1-Punkt Untergruppe	. Arranging blasting cartridges to form an assembly (adaptation of blasting cartridges therefor F42B 3/02) [1, 2006.01]
F42D 1/04	1-Punkt Untergruppe	. Arrangements for ignition [1, 2006.01]
F42D 1/045	2-Punkt Untergruppe	. . Arrangements for electric ignition (dynamo-electric generators H02K) [5, 2006.01]
F42D 1/05	3-Punkt Untergruppe	. . . Electric circuits for blasting [5, 2006.01]
F42D 1/055	4-Punkt Untergruppe	 specially adapted for firing multiple charges with a time delay [5, 2006.01]
F42D 1/06	2-Punkt Untergruppe	. . Relative timing of multiple charges (F42D 1/055 takes precedence) [1, 2006.01]
F42D 1/08	1-Punkt Untergruppe	. Tamping methods; Methods for loading boreholes with explosives; Apparatus therefor [1, 5, 2006.01]
F42D 1/10	2-Punkt Untergruppe	. . Feeding explosives in granular or slurry form; Feeding explosives by pneumatic or hydraulic pressure [5, 2006.01]
F42D 1/12	2-Punkt Untergruppe	. . Feeding tamping material by pneumatic or hydraulic pressure [5, 2006.01]
F42D 1/14	2-Punkt Untergruppe	. . Hand-operated tamping or loading [5, 2006.01]
F42D 1/16	3-Punkt Untergruppe	. . . Tamping tools [5, 2006.01]
F42D 1/18	2-Punkt Untergruppe	. . Plugs for boreholes [5, 2006.01]
F42D 1/20	2-Punkt Untergruppe	. . Tamping cartridges, i.e. cartridges containing tamping material (flexible or deformable blasting cartridges F42B 3/087) [5, 2006.01]
F42D 1/22	2-Punkt Untergruppe	. . Means for holding or positioning blasting cartridges or tamping cartridges in boreholes [5, 2006.01]
F42D 1/24	2-Punkt Untergruppe	. . characterised by the tamping material [5, 2006.01]
F42D 1/26	3-Punkt Untergruppe	. . . Tamping with foaming agents [5, 2006.01]
F42D 1/28	3-Punkt Untergruppe	. . . Tamping with gelling agents [5, 2006.01]
F42D 3/00	Hauptgruppe	Particular applications of blasting techniques [1, 2006.01]
F42D 3/02	1-Punkt Untergruppe	. for demolition of tall structures, e.g. chimney stacks [1, 2006.01]
F42D 3/04	1-Punkt Untergruppe	. for rock blasting [1, 2006.01]
F42D 3/06	1-Punkt Untergruppe	. for seismic purposes [1, 2006.01]
F42D 5/00	Hauptgruppe	Safety arrangements [1, 2006.01]
F42D 5/02	1-Punkt Untergruppe	. Locating undetonated charges [1, 2006.01]
F42D 5/04	1-Punkt Untergruppe	. Rendering explosive charges harmless, e.g. destroying ammunition (extracting primers, dismantling ammunition F42B 33/04, F42B 33/06); Rendering detonation of explosive charges harmless [1, 5, 2006.01]
F42D 5/045	2-Punkt Untergruppe	. . Detonation-wave absorbing or damping means [5, 2006.01]
F42D 5/05	3-Punkt Untergruppe	. . . Blasting mats [5, 2006.01]
F42D 5/055	2-Punkt Untergruppe	. . Silencing means for blasting operations (F42D 5/045 takes precedence) [5, 2006.01]

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F42D 5/06	1-Punkt Untergruppe	. Unloading boreholes [1, 2006.01]
F42D 99/00	Hauptgruppe	Subject matter not provided for in other groups of this subclass [2009.01]