C06C

DETONATING OR PRIMING DEVICES; FUSES (ammunition fuzes F42C); CHEMICAL LIGHTERS; PYROPHORIC COMPOSITIONS

Definition statement

This subclass/group covers:

Fuses, e.g. fuse cords.

Non-electric detonators.

Blasting caps.

Primers.

Chemical contact igniters.

Chemical lighters.

Pyrophoric compositions.

Flints.

Relationship between large subject matter areas

This subclass does not cover chemical compounds or their preparation as such, which subject matter is covered by classes C01 (inorganic chemistry), C07 (organic chemistry) and C08 (organic macromolecular compounds).

References relevant to classification in this subclass

This subclass/group does not cover:

Examples of places where the subject matter of this class is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Ammunition fuzes	F42C
Initiators (non chemical aspects)	F42B 3/10
Filling fuzes	F42B 33/02
Containers for detonators or fuzes	F42B 39/30

Informative references

Attention is drawn to the following places, which may be of interest for search:

Explosives or thermic compositions; Manufacture thereof; use of single substances as explosives	C06B
Fire-lighters	C10L 11/00
Alloys in general	C22C
Ignition	F23Q
Lighters containing fuel, e.g. for cigarettes, characterised by catalytic ignition of fuel	F23Q 2/30
Non-chemical aspects of flints	F23Q 2/48
Arrangement of catalytic igniters	F23Q 11/00
Blasting cartridges, i.e. case and explosive	F42B 3/00
Arming or safety means for ammunition fuzes	F42C
Blasting	F42D

Glossary of terms

In this subclass/group, the following terms (or expressions) are used with the meaning indicated:

Pyrophoric	Pyrophoric (Greek, meaning fire-bearing) materials are finely divided chemical substances, mostly metals, which at room temperature vehemently react with the oxygen contained in air. The energy released in this oxidation process is sufficient to make substances glow or blaze. Therefore a pyrophoric material can spontaneously ignite in air.

C06C 5/00

Fuses, e.g. fuse cords

C06C 5/06

Fuse igniting means; Fuse connectors

Definition statement

This subclass/group covers:
Compositions of delay mixtures

Informative references

Attention is drawn to the following places, which may be of interest for search:

Blasting methods or apparatus, e.g. loading or tamping Arrangements for ignition	F42D 1/04
Ignition systems for methods or apparatus for obtaining oil, gas, water, soluble or meltable materials or a slurry of minerals from wells	E21B 43/1185

C06C 7/00

Non-electric detonators; Blasting caps; Primers

Definition statement

This subclass/group covers:
Boosters

C06C 9/00

Chemical contact igniters; Chemical lighters

C06C 15/00

Pyrophoric compositions; Flints (chemical lighters C06C9/00; alloys in general C22C)

Definition statement

This subclass/group covers:
Incendiary compositions.

Tracers, chemical light sources, illuminating compositions

Informative references

Attention is drawn to the following places, which may be of interest for search:

Napalm	C10L 7/02
Compositions for flashlights	F21K
Compositions for luminescence	F21K
Fireworks	F42B 4/00 to F42B 4/30
Exothermal heat producing compositions	F24J 1/00