

G21J

NUCLEAR EXPLOSIVES; APPLICATIONS THEREOF (electric or magnetic analogue computers, e.g. simulators, for nuclear physics G06G7/54)

Definition statement

This subclass/group covers:

Explosives generated by uncontrolled nuclear reactions, e.g. nuclear fission and fusion bombs, and applications thereof.

Informative references

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

Explosive chemical composition	C06B
Methods for stimulating production of oil, gas, water, soluble or meltable materials or a slurry of minerals from wells by use of explosives	E21B 43/263
Conventional explosive devices	F42B
So-called "dirty bombs" where conventional explosives are used to dispense radioactive substances	F42B 12/46
Nuclear fusion reactors (i.e. controlled nuclear fusion)	G21B
Nuclear fission reactors (i.e. controlled nuclear fission)	G21C
Individual measuring devices may be classified as the measuring device per se	G01
Analogue computers for simulating nuclear explosions	G06G 7/54
Nuclear power plant	G21D

Special rules of classification within this subclass

Classification of both important (invention) information and additional information is obligatory.

Glossary of terms

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

Uncontrollable reaction	Any fission or fusion reaction where event initiators (e.g. neutrons in the fission process) are produced in a number greater than required to sustain a chain reaction and where there is no mechanism to selectively moderate the reaction, e.g. a fission reactor where the operator has simply opted not to moderate or has failed to moderate the reaction is not a nuclear explosive device in the context of this subclass
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Synonyms and Keywords

In patent documents the following words "device" and "bomb" are often used as synonyms.

In patent documents the following expressions "thermonuclear bomb", "hydrogen bomb", "H-bomb" and "fusion bomb" are often used as synonyms.

In patent documents the following expressions "A-bomb", "atom bomb" and "fission bomb" are often used as synonyms.

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Nuclear explosive devices [N: "atomic bombs"]

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Peaceful applications of nuclear explosive devices [N: obtaining oil, gas, water, soluble or meltable material from deep wells by means of nuclear energy E21B43/2635, E21B43/2403]

References relevant to classification in this group

This subclass/group does not cover:

Obtaining oil, gas, water, soluble or	E21B 43/2635 E21B 43/2403
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meltable material from deep wells by means of nuclear energy	
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Detection arrangements for nuclear explosions (individual measuring devices G01)

Informative references

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

Measuring in general	G01
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