

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

### 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.

## G21J 1/00

**Nuclear explosive devices [N: "atomic bombs"]**

## G21J 3/00

**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	<a href="#">E21B 43/2635</a> <a href="#">E21B 43/2403</a>
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meltable material from deep wells by means of nuclear energy	
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## **G21J 5/00**

**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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