

# CPC COOPERATIVE PATENT CLASSIFICATION

## G PHYSICS (NOTES omitted)

### NUCLEONICS

#### G21 NUCLEAR PHYSICS; NUCLEAR ENGINEERING

#### G21G CONVERSION OF CHEMICAL ELEMENTS; RADIOACTIVE SOURCES (applications of radiation in general [G21H 5/00](#); handling particles, e.g. neutrons, or electromagnetic radiation not otherwise provided for [G21K](#))

##### WARNING

In this subclass non-limiting references (in the sense of paragraph 39 of the Guide to the IPC) may still be displayed in the scheme.

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| <p><b>1/00</b> Arrangements for converting chemical elements by electromagnetic radiation, corpuscular radiation or particle bombardment, e.g. producing radioactive isotopes (separation of different isotopes of the same element <a href="#">B01D 59/00</a>)</p> <p>1/0005 . {Isotope delivery systems (use of radioisotopes as tracers <a href="#">G21H 5/02</a>)}</p> <p>1/001 . {Recovery of specific isotopes from irradiated targets}</p> <p>2001/0015 . . {Fluorine}</p> <p>2001/0021 . . {Gallium}</p> <p>2001/0026 . . {Arsenic}</p> <p>2001/0031 . . {Rubidium}</p> <p>2001/0036 . . {Molybdenum}</p> <p>2001/0042 . . {Technetium}</p> <p>2001/0047 . . {Rhodium}</p> <p>2001/0052 . . {Palladium}</p> <p>2001/0057 . . {Indium}</p> <p>2001/0063 . . {Iodine}</p> <p>2001/0068 . . {Cesium}</p> <p>2001/0073 . . {Rhenium}</p> <p>2001/0078 . . {Thallium}</p> <p>2001/0084 . . {Bismuth}</p> <p>2001/0089 . . {Actinium}</p> <p>2001/0094 . . {Other isotopes not provided for in the groups listed above}</p> <p>1/02 . in nuclear reactors (by thermonuclear reactions <a href="#">G21B</a>; conversion of nuclear fuel <a href="#">G21C</a>)</p> <p>1/04 . outside nuclear reactors or particle accelerators</p> <p>1/06 . . by neutron irradiation</p> <p>1/08 . . . accompanied by nuclear fission</p> <p>1/10 . . by bombardment with electrically charged particles (irradiation devices <a href="#">G21K 5/00</a>)</p> <p>1/12 . . by electromagnetic irradiation, e.g. with gamma or X-rays (applications of radiation <a href="#">G21H 5/00</a>; irradiation devices <a href="#">G21K 5/00</a>)</p> <p><b>4/00</b> Radioactive sources (producing neutrons or other subatomic particles, X- or gamma rays, in fusion reactors <a href="#">G21B</a>, in nuclear reactors <a href="#">G21C</a>, by cosmic radiation <a href="#">G21H 7/00</a>, in accelerators <a href="#">H05H</a>; X-ray tubes <a href="#">H01J 35/00</a>; gamma masers <a href="#">H01S 4/00</a>)</p> <p>4/02 . Neutron sources</p> | <p>4/04 . Radioactive sources other than neutron sources (radioactive dressings <a href="#">A61N 5/1029</a>)</p> <p>4/06 . . characterised by constructional features</p> <p>4/08 . . . specially adapted for medical application (radiation therapy using radioactive sources <a href="#">A61N 5/10</a>)</p> <p>4/10 . . with radium emanation</p> <p><b>5/00</b> Alleged conversion of chemical elements by chemical reaction</p> <p><b>7/00</b> Conversion of chemical elements not provided for in other groups of this subclass</p> |
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