

# 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.

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