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.

1/00 **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)

1/0005 . {Isotope delivery systems (use of radioisotopes as tracers G21H 5/02)}

1/001 . {Recovery of specific isotopes from irradiated targets}

2001/0015 . . {Fluorine}

2001/0021 . . {Gallium}

2001/0026 . . {Arsenic}

2001/0031 . . {Rubidium}

2001/0036 . . {Molybdenum}

2001/0042 . . {Technetium}

2001/0047 . . {Rhodium}

2001/0052 . . {Palladium}

2001/0057 . . {Indium}

2001/0063 . . {Iodine}

2001/0068 . . {Cesium}

2001/0073 . . {Rhenium}

2001/0078 . . {Thallium}

2001/0084 . . {Bismuth}

2001/0089 . . {Actinium}

2001/0094 . . {Other isotopes not provided for in the groups listed above}

1/02 . in nuclear reactors (by thermonuclear reactions G21B; conversion of nuclear fuel G21C)

1/04 . outside nuclear reactors or particle accelerators

1/06 . . by neutron irradiation

1/08 . . . accompanied by nuclear fission

1/10 . . by bombardment with electrically charged particles (irradiation devices G21K 5/00)

1/12 . . by electromagnetic irradiation, e.g. with gamma or X-rays (applications of radiation G21H 5/00; irradiation devices G21K 5/00)

4/00 **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)

4/02 . Neutron sources

4/04 . Radioactive sources other than neutron sources (radioactive dressings A61N 5/1029)

4/06 . . characterised by constructional features

4/08 . . . specially adapted for medical application (radiation therapy using radioactive sources A61N 5/10)

4/10 . . with radium emanation

5/00 **Alleged conversion of chemical elements by chemical reaction**

7/00 **Conversion of chemical elements not provided for in other groups of this subclass**