CPC COOPERATIVE PATENT CLASSIFICATION

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)

Guidance heading:

G21G 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)

G21G 1/0005 . { Isotope delivery systems (use of radioisotopes as tracers G21H 5/02) }

G21G 1/001 . { Recovery of specific isotopes from irradiated targets }

G21G 2001/0015 . . Fluorine

G21G 2001/0021 . . Gallium

G21G 2001/0026 . . Arsenic

G21G 2001/0031 . . Rubidium

G21G 2001/0036 . . Molybdenum

G21G 2001/0042 . . Technetium

G21G 2001/0047 . . Rhodium

G21G 2001/0052 . . Palladium

G21G 2001/0057 . . Indium

G21G 2001/0063 . . Iodine

G21G 2001/0068 . . Cesium

G21G 2001/0073 . . Rhenium

G21G 2001/0078 . . Thallium

G21G 2001/0084 . . Bismuth

G21G 2001/0089 . . Actinium

G21G 2001/0094 . . Other isotopes not provided for in the groups listed above

G21G 1/02 . in nuclear reactors (by thermonuclear reactions G21B ; conversion of nuclear fuel G21C)

G21G 1/04 . outside nuclear reactors or particle accelerators

G21G 1/06 . . by neutron irradiation

G21G 1/08 . . . accompanied by nuclear fission

G21G 1/10 . . by bombardment with electrically charged particles (irradiation devices G21K 5/00)

G21G 1/12 . . by electromagnetic irradiation, e.g. with gamma or X-rays (applications of radiation G21H 5/00; irradiation devices G21K 5/00)

G21G 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)

G21G 4/02 . Neutron sources

G21G 4/04 . Radioactive sources other than neutron sources (radioactive dressings A61N 5/1029)

G21G 4/06 . . characterised by constructional features

G21G 4/08 . . . specially adapted for medical application (radiation therapy using radioactive sources A61N 5/10)

G21G 4/10 . . with radium emanation

G21G 5/00 Alleged conversion of chemical elements by chemical reaction

G21G 7/00 Conversion of chemical elements not provided for in other groups of this subclass