

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](#))

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**