

## ECLA EUROPEAN CLASSIFICATION

- G21G**                    **CONVERSION OF CHEMICAL ELEMENTS; RADIOACTIVE SOURCES**  
(applications of radiation in general [G21H5/00](#); handling particles, e.g. neutrons, or electromagnetic radiation not otherwise provided for G21K)
- G21G1/00**                **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 [B01D59/00](#))
- G21G1/00D                . [N: Isotope delivery systems (use of radioisotopes as tracers [G21H5/02](#))] [N0906]
- G21G1/00R                . [N: Recovery of specific isotopes from irradiated targets] [N0906]
- G21G1/02                . in nuclear reactors (by thermonuclear reactions [G21B](#); conversion of nuclear fuel [G21C](#))
- G21G1/04                . outside nuclear reactors or particle accelerators
- G21G1/06                . . by neutron irradiation
- G21G1/08                . . . accompanied by nuclear fission
- G21G1/10                . . by bombardment with electrically charged particles (irradiation devices [G21K5/00](#))
- G21G1/12                . . by electromagnetic irradiation, e.g. with gamma or X-rays (applications of radiation [G21H5/00](#); irradiation devices [G21K5/00](#))
- G21G4/00**                **Radioactive sources** (producing neutrons or other subatomic particles, X- or gamma rays, in fusion reactors [G21B](#), in nuclear reactors [G21C](#), by cosmic radiation [G21H7/00](#), in accelerators [H05H](#); X-ray tubes [H01J35/00](#); gamma masers [H01S4/00](#))
- G21G4/02                . Neutron sources
- G21G4/04                . Radioactive sources other than neutron sources (radioactive dressings [A61N5/12](#))
- G21G4/06                . . characterised by constructional features
- G21G4/08                . . . specially adapted for medical application (radiation therapy using radioactive sources [A61N5/10](#))
- G21G4/10                . . with radium emanation
- G21G5/00**                **Alleged conversion of chemical elements by chemical reaction**
- G21G7/00**                **Conversion of chemical elements not provided for in other groups of this subclass**  
[N0901]