

Title (en)
Process of producing the radioisotope TL-201

Title (de)
Verfahren zur Erzeugung des Isotopes TI-201

Title (fr)
Procédé de production de l'isotope TI-201

Publication
EP 1892728 A1 20080227 (EN)

Application
EP 06119491 A 20060824

Priority
EP 06119491 A 20060824

Abstract (en)
The radioisotope Tl-201 is produced. The process includes electroplating, irradiating, dissolving, precipitating, ion exchanging, decaying and filtering. The Tl-201 obtained is a liquid having a high purity.

IPC 8 full level
G21G 1/00 (2006.01)

CPC (source: EP)
G21G 1/001 (2013.01); **G21G 4/08** (2013.01); **G21G 2001/0078** (2013.01)

Citation (applicant)

- US 3993538 A 19761123 - LEBOWITZ ELLIOT, et al
- US 4297166 A 19811027 - KATO MAKOTO, et al
- QAIM S. M.; WEINREICH R.; OLLIG H.: "Production of Tl-201 and Pb203 via Proton Induced Nuclear Reaction on Natural Thallium", INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES, vol. 30, 1979, pages 85 - 95

Citation (search report)

- [YA] US 3993538 A 19761123 - LEBOWITZ ELLIOT, et al
- [A] US 4297166 A 19811027 - KATO MAKOTO, et al
- [YA] LAMBRECHT R M ET AL: "TARGET PREPARATION AND RECOVERY OF ENRICHED ISOTOPES FOR MEDICAL RADIONUCLIDE PRODUCTION", NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH, SECTION - A: ACCELERATORS, SPECTROMETERS, DETECTORS AND ASSOCIATED EQUIPMENT, ELSEVIER, AMSTERDAM, NL, vol. A282, no. 1, 1 October 1989 (1989-10-01), pages 296 - 300, XP000067682, ISSN: 0168-9002
- [DA] QAIM S M ET AL: "Production of <201>Tl and <203>Pb via proton induced nuclear reactions on natural thallium", INTERNATIONAL JOURNAL OF APPLIED RADIATION AND ISOTOPES UK, vol. 30, no. 2, February 1979 (1979-02-01), pages 85 - 95, XP002415296, ISSN: 0020-708X

Cited by
EP1916669B1

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AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

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