

Title (en)
METHOD FOR PRODUCING AN IODINE RADIOISOTOPES FRACTION, IN PARTICULAR OF I-131, IODINE RADIOISOTOPES FRACTION, IN PARTICULAR OF I-131

Title (de)
VERFAHREN ZUR HERSTELLUNG EINER IOD-RADIOISOTOPENFRAKTION, INSBESONDERE VON I-131, IOD-RADIOISOTOPENFRAKTION, INSBESONDERE I-131

Title (fr)
PROCEDE DE PRODUCTION D'UNE FRACTION DE RADIO-ISOTOPES D'IODE, EN PARTICULIER D'I-131, FRACTION DE RADIO-ISOTOPES D'IODE, EN PARTICULIER D'I-131

Publication
EP 3475954 A1 20190501 (FR)

Application
EP 17732470 A 20170628

Priority
• BE 201605495 A 20160628
• EP 2017065974 W 20170628

Abstract (en)
[origin: WO2018002127A1] A method for producing an iodine radioisotopes fraction, comprising the steps of dissolving enriched uranium targets forming a slurry, filtering said slurry, absorbing salts of iodine radioisotopes on an aluminium resin doped with silver and recovering said iodine radioisotopes fraction. Said recovery of said iodine radioisotopes fraction, in particular of I-131, comprises washing the aluminium resin doped in silver using a solution of NaOH and eluting of iodine radioisotopes by a solution of thiourea, and collecting an eluate containing said iodine radioisotopes in a theourea solution.

IPC 8 full level
G21G 1/00 (2006.01)

CPC (source: EP KR RU US)
G21G 1/00 (2013.01 - RU); **G21G 1/001** (2013.01 - EP KR US); **G21G 2001/0063** (2013.01 - EP KR US)

Citation (search report)
See references of WO 2018002127A1

Cited by
RU2741315C1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2018002127 A1 20180104; AU 2017289210 A1 20190117; AU 2017289210 B2 20211021; BE 1023851 B1 20170814; CA 3028852 A1 20180104; CN 109416952 A 20190301; CN 109416952 B 20231229; EP 3475954 A1 20190501; EP 3475954 B1 20200610; HU E050258 T2 20201130; KR 102416164 B1 20220704; KR 20190021251 A 20190305; PL 3475954 T3 20201019; RU 2018145516 A 20200728; RU 2018145516 A3 20200728; RU 2745524 C2 20210325; US 11017910 B2 20210525; US 2019228870 A1 20190725; ZA 201808651 B 20200527

DOCDB simple family (application)
EP 2017065974 W 20170628; AU 2017289210 A 20170628; BE 201605495 A 20160628; CA 3028852 A 20170628; CN 201780040667 A 20170628; EP 17732470 A 20170628; HU E17732470 A 20170628; KR 20187037243 A 20170628; PL 17732470 T 20170628; RU 2018145516 A 20170628; US 201716312963 A 20170628; ZA 201808651 A 20181220