

Title (en)

DEVICE FOR THE SYNTHESIS OF RADIOTRACERS

Title (de)

VORRICHTUNG ZUR SYNTHESE RADIOAKTIV MARKIERTER VERBINDUNGEN

Title (fr)

DISPOSITIF DE SYNTHÈSE DE COMPOSÉS À MARQUAGE RADIOACTIF

Publication

EP 2593218 A2 20130522 (DE)

Application

EP 11801964 A 20110705

Priority

- DE 102010036356 A 20100712
- DE 2011075157 W 20110705

Abstract (en)

[origin: CA2805121A1] The invention relates to a device for synthesizing radiotracers, comprising: a reaction vessel for reacting a precursor compound containing protective groups with a radioactive isotope so as to obtain a first reaction product; a first cartridge for separating protective groups from the first reaction product so as to obtain a second reaction product; and a second cartridge for purifying the second reaction product. The reaction vessel, the first cartridge, and the second cartridge are interconnected via pipes. According to the invention, the first cartridge contains 801 to 1200 mg of a solid carrier, and/or the reaction vessel is made of a temperature-resistant plastic that has a thermal resistance of at least 120°C.

IPC 8 full level

B01J 19/00 (2006.01); **B01L 3/00** (2006.01); **C07B 59/00** (2006.01); **C07H 5/02** (2006.01)

CPC (source: EP US)

B01J 19/0093 (2013.01 - EP US); **C07B 59/00** (2013.01 - EP US); **C07B 59/005** (2013.01 - US); **C07H 5/02** (2013.01 - EP US); **B01J 2219/00788** (2013.01 - EP US); **B01J 2219/0081** (2013.01 - EP US); **B01J 2219/00813** (2013.01 - EP US); **B01J 2219/00817** (2013.01 - EP US); **B01J 2219/00891** (2013.01 - EP US); **B01J 2219/00898** (2013.01 - EP US); **B01J 2219/00916** (2013.01 - EP US); **B01J 2219/00927** (2013.01 - EP US); **C07B 2200/05** (2013.01 - EP US); **Y02P 20/55** (2015.11 - EP US)

Citation (search report)

See references of WO 2012041306A2

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

DOCDB simple family (publication)

DE 102010036356 A1 20120112; CA 2805121 A1 20120405; EP 2593218 A2 20130522; US 2013144052 A1 20130606; WO 2012041306 A2 20120405; WO 2012041306 A3 20121115

DOCDB simple family (application)

DE 102010036356 A 20100712; CA 2805121 A 20110705; DE 2011075157 W 20110705; EP 11801964 A 20110705; US 201113809506 A 20110705