

Title (en)  
PROCESS FOR PRODUCING RADIOACTIVE MOLYBDENUM

Title (de)  
PROZESS ZUM HERSTELLEN VON RADIOAKTIVEM MOLYBDÄN

Title (fr)  
PROCÉDÉ DE PRODUCTION DE MOLYBDÈNE RADIOACTIF

Publication  
**EP 2104113 A1 20090923 (EN)**

Application  
**EP 07830597 A 20071019**

Priority  
• JP 2007070863 W 20071019  
• JP 2006286159 A 20061020

Abstract (en)  
An efficient manufacturing method of not using the uranium as a raw material is provided as a method of manufacturing radioactive molybdenum 99 Mo which is parent nuclide of radioactive technetium ( 99m Tc) which is a radioactive diagnosis medicine. 99 Mo is manufactured efficiently by irradiating neutrons to the Mo solution in which Mo compound is dissolved in water in an irradiation capsule set up in the core of a nuclear reactor, generating 99 Mo by 98 Mo(n, <sup>3</sup>) reaction, and by collecting the Mo solution in continuous or batch processing.

IPC 8 full level  
**G21G 1/02** (2006.01); **G21G 4/08** (2006.01)

CPC (source: EP)  
**G21G 1/02** (2013.01); **G21G 2001/0036** (2013.01)

Cited by  
US9576692B2; RU2666552C1; US2012314828A1; US2022199277A1; US2021304914A1; US11894157B2; US2012027152A1; US9396826B2; US11830637B2; US9287015B2

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DOCDB simple family (publication)  
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