

Title (en)

METHOD FOR CONTROLLING PRESSURE WAVES IN TARGETS OF SPALLATION NEUTRON SOURCES

Title (de)

VERFAHREN ZUR BEHERRSCHUNG VON DRUCKWELLEN IN TARGETS VON SPALLATIONS-NEUTRONENQUELLEN

Title (fr)

PROCEDE DESTINE A CONTROLER DES ONDES DE PRESSION DANS DES CIBLES DE SOURCES DE NEUTRONS DE SPALLATION

Publication

EP 1281297 A1 20030205 (DE)

Application

EP 01947124 A 20010426

Priority

- DE 0101599 W 20010426
- DE 10022211 A 20000506

Abstract (en)

[origin: WO0187022A1] The invention relates to a method for producing neutrons with the aid of a spallation effect. The method includes the diversion of a partial cooling stream out of the main cooling stream and an acceleration of the partial cooling stream in such a manner that vapor bubbles are formed in the vacuum region produced by the acceleration, and after introduction into the main cooling stream, said vapor bubbles act upon generated pressure waves in an attenuating manner during the impingement of a proton beam.

IPC 1-7

H05H 3/06

IPC 8 full level

H05H 3/06 (2006.01)

CPC (source: EP US)

H05H 3/06 (2013.01 - EP US)

Citation (search report)

See references of WO 0187022A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0187022 A1 20011115; DE 10022211 A1 20011115; DE 10022211 C2 20020808; EP 1281297 A1 20030205; US 2003190008 A1 20031009

DOCDB simple family (application)

DE 0101599 W 20010426; DE 10022211 A 20000506; EP 01947124 A 20010426; US 27543103 A 20030408