

Title (en)  
CYCLOTRON PROVIDED WITH NEW PARTICLE BEAM INFLECTION MEANS

Title (de)  
ZYKLOTRON MIT NEUEN TEILCHENSTRAHL-UMLENKUNGSMITTELN

Title (fr)  
CYCLOTRON MUNI DE NOUVEAUX MOYENS D INFLEXION DU FAISCEAU DE PARTICULES

Publication  
**EP 1527658 B1 20110914 (FR)**

Application  
**EP 03739886 A 20030718**

Priority  

- EP 03739886 A 20030718
- BE 0300124 W 20030718
- EP 02447140 A 20020722

Abstract (en)  
[origin: EP1385362A1] The cyclotron for acceleration of charged particle beams circulating in a median plane. It is in the form of two poles inducing a magnetic field and possessing an axial injector, this injector disposed at the exterior of the cyclotron essentially along the principal axis of the cyclotron and perpendicular to its median plane. It has inflexion units, which allow the inflexion of the particle beams right up to the positioning in the median plane, these units made up of a magnetic inflexion components.

IPC 8 full level  
**H05H 7/08** (2006.01); **H05H 13/00** (2006.01)

CPC (source: EP US)  
**H05H 7/08** (2013.01 - EP US); **H05H 13/00** (2013.01 - EP US)

Designated contracting state (EPC)  
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DOCDB simple family (publication)  
**EP 1385362 A1 20040128**; AT E524954 T1 20110915; AU 2003281602 A1 20040209; EP 1527658 A1 20050504; EP 1527658 B1 20110914; ES 2373548 T3 20120206; US 2005269497 A1 20051208; US 7456591 B2 20081125; WO 2004010748 A1 20040129

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