

Title (en)  
ELECTRON ACCELERATOR WITH CO-AXIAL CAVITY.

Title (de)  
ELEKTRONENBESCHLEUNIGER MIT KOAXIALEM HOHLRAUM.

Title (fr)  
ACCELERATEUR D'ELECTRONS A CAVITE COAXIALE.

Publication  
**EP 0359774 A1 19900328 (FR)**

Application  
**EP 88904976 A 19880525**

Priority  
FR 8707378 A 19870526

Abstract (en)  
[origin: WO8809597A1] A co-axial cavity (CC) resonates at the fundamental frequency and electrons are injected in the median plane perpendicular to the axis. The beam can be accelerated several times along different diameters (d1, d2) by reinjection into the cavity, by means of electron deflectors (D1, D2). Used in the irradiation of various substances.

Abstract (fr)  
Accélérateur d'électrons. Selon l'invention, on utilise une cavité coaxiale (CC) résonnant selon le mode fondamental et on injecte les électrons dans le plan médian perpendiculaire à l'axe. Le faisceau peut être accéléré plusieurs fois le long de diamètres différents (d1, d2) par injection dans la cavité, grâce à des déflecteurs d'électrons (D1, D2). Application à l'irradiation de substances diverses.

IPC 1-7  
**H05H 7/00**; **H05H 9/00**

IPC 8 full level  
**H05H 7/00** (2006.01); **H05H 7/18** (2006.01); **H05H 9/00** (2006.01); **H05H 9/04** (2006.01)

CPC (source: EP KR US)  
**H05H 7/00** (2013.01 - KR); **H05H 7/18** (2013.01 - EP US); **H05H 9/00** (2013.01 - US); **H05H 13/10** (2013.01 - EP)

Citation (search report)  
See references of WO 8809597A1

Cited by  
EP2509399A1; EP2804451A1; EP3319402A1; EP3661335A1; US10743401B2; EP3319403A1

Designated contracting state (EPC)  
BE CH DE GB IT LI NL SE

DOCDB simple family (publication)  
**WO 8809597 A1 19881201**; AU 1943788 A 19881221; AU 613381 B2 19910801; CA 1306075 C 19920804; DE 3880681 D1 19930603; DE 3880681 T2 19931014; EP 0359774 A1 19900328; EP 0359774 B1 19930428; ES 2007889 A6 19890701; FR 2616032 A1 19881202; FR 2616032 B1 19890804; IL 86448 A0 19881115; IL 86448 A 19910816; JP 2587281 B2 19970305; JP H02503609 A 19901025; KR 890702416 A 19891223; KR 960014439 B1 19961015; US 5107221 A 19920421

DOCDB simple family (application)  
**FR 8800262 W 19880525**; AU 1943788 A 19880525; CA 567653 A 19880525; DE 3880681 T 19880525; EP 88904976 A 19880525; ES 8801643 A 19880525; FR 8707378 A 19870526; IL 8644888 A 19880519; JP 50462288 A 19880525; KR 890700094 A 19890118; US 44995589 A 19891031