

Title (en)
ELECTRON ACCELERATOR HAVING A COAXIAL CAVITY

Title (de)
Elektronenbeschleuniger vom Koaxialkavitätstyp

Title (fr)
ACCELERATEUR D'ELECTRONS A CAVITE COAXIALE

Publication
EP 0694247 B1 19971029 (FR)

Application
EP 92909534 A 19920527

Priority
• BE 9200023 W 19920527
• BE 9100516 A 19910529

Abstract (en)
[origin: WO9222190A1] An electron accelerator having a first source (100) emitting an electron beam to be accelerated, and a coaxial cavity (5) defined by an outer cylindrical conductor (10) and an inner cylindrical conductor (20) lying on a single axis (30) and joined by two flanges (15 and 25), wherein the electron beam (1) is injected in the mid-plane (40) which is perpendicular to the axis (30) along a first diameter of the outer conductor (10). The accelerator is characterized in that it comprises a second source (200) emitting an electron beam (2) which decelerates as it passes through the coaxial cavity (5), whereby the electromagnetic field required to accelerate the electron beam (1) from the first source (100) is produced.

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H05H 7/00; **H05H 9/00**

IPC 8 full level
H05H 15/00 (2006.01); **H05H 7/18** (2006.01); **H05H 7/22** (2006.01); **H05H 9/00** (2006.01); **H05H 9/04** (2006.01)

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

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DOCDB simple family (publication)
WO 9222190 A1 19921210; AU 1757892 A 19930108; BE 1004879 A3 19930216; CA 2110067 A1 19921210; CA 2110067 C 20011211; DE 69222958 D1 19971204; DE 69222958 T2 19980409; DK 0694247 T3 19980720; EP 0694247 A1 19960131; EP 0694247 B1 19971029; JP 3031711 B2 20000410; JP H07500206 A 19950105; RU 2104621 C1 19980210; US 5440211 A 19950808

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