

Title (en)  
Electron accelerator.

Title (de)  
Elektronenbeschleuniger.

Title (fr)  
Accélérateur d'électrons.

Publication  
**EP 0157129 A1 19851009 (DE)**

Application  
**EP 85101459 A 19850211**

Priority  
• US 58185484 A 19840221  
• US 58212284 A 19840221

Abstract (en)  
An electron accelerator which comprises a target (6 or 206) exposed to the electron beam (e<->) for producing x-ray deceleration radiation and means (106, 108, 110, 112 or 306, 308, 310, 312) for switching the x-ray radiation between a lower first and a higher second photon energy. A first compensating member (14 or 214) which is arranged centrally in the x-ray radiation at a first distance from the target, flattens the radiation intensity distribution when the x-ray radiation is switched to the first photon energy. In the case the x-ray radiation is switched to the second photon energy a second compensating member (80 or 240) which is arranged in the x-ray radiation in a longer second distance from the target in combination with the first compensating member flattens the radiation intensity distribution.

IPC 1-7  
**H01J 35/00**; **G21K 1/10**; **H05K 7/12**

IPC 8 full level  
**G21K 1/10** (2006.01); **H01J 35/00** (2006.01); **H05H 7/12** (2006.01)

CPC (source: EP)  
**G21K 1/10** (2013.01); **H01J 35/00** (2013.01); **H05H 7/12** (2013.01)

Citation (search report)  
• [A] US 3917954 A 19751104 - BOGE RAYMOND J  
• [A] DE 3017745 A1 19801127 - VARIAN ASSOCIATES  
• [A] EP 0059382 A1 19820908 - GEN ELECTRIC [US]  
• [A] FR 2091819 A5 19720114 - MEDINOVA AB  
• [A] FR 2384416 A1 19781013 - SIEMENS AG [DE]  
• [A] ELECTROMEDICA SIEMENS, vol. 45, no. 3/4, 1977, pages 101-106, Erlangen, DE; W. HAAS et al.: "Strahlentherapie heute: Das Mevatron 20, ein kompakter Hochleistungsbeschleuniger"

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CH DE FR GB LI

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