

Title (en)  
X-RAY GENERATOR

Publication  
**EP 0253417 B1 19930407 (DE)**

Application  
**EP 87201167 A 19870617**

Priority  
DE 3621803 A 19860628

Abstract (en)  
[origin: US4796286A] In X-ray generators comprising a converter for generating the high-voltage for an X-ray tube, substantial dose fluctuations are liable to occur from one exposure to another of series involving a fixed exposure time due to supply voltage fluctuations or fluctuations in the object absorption. These dose fluctuations are more pronounced as the exposure time is shorter and as the converter frequency is lower. These fluctuations are reduced by terminating a series of exposures each time after the same number of converter alternations when the deviation between the actual value and the reference value of the dose or the dose rate is smaller than a predetermined value.

IPC 1-7  
**H05G 1/20; H05G 1/46; H05G 1/56**

IPC 8 full level  
**H05G 1/42** (2006.01); **H05G 1/20** (2006.01); **H05G 1/36** (2006.01); **H05G 1/46** (2006.01); **H05G 1/56** (2006.01); **H05G 1/64** (2006.01)

CPC (source: EP US)  
**H05G 1/20** (2013.01 - EP US); **H05G 1/36** (2013.01 - EP US); **H05G 1/46** (2013.01 - EP US); **H05G 1/56** (2013.01 - EP US)

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EP0564551A4; EP0471625A1; FR2665999A1; US5243509A

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**EP 0253417 A2 19880120; EP 0253417 A3 19890726; EP 0253417 B1 19930407**; DE 3621803 A1 19880107; DE 3785260 D1 19930513; JP 2554084 B2 19961113; JP S6340298 A 19880220; US 4796286 A 19890103

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