

Title (en)
X-ray source

Title (de)
Röntgenstrahlenquelle

Title (fr)
Source de rayons X

Publication
EP 0691801 B1 20000405 (EN)

Application
EP 95304735 A 19950706

Priority
JP 15766494 A 19940708

Abstract (en)
[origin: EP0691801A1] A micro-focused X-ray source includes an X-ray tube (10) and a target voltage generating circuit (112). The target voltage generating circuit (112) has a double inverter structure configured by a step down inverter (410) and a push-pull inverter (420) which generates little heat and thus no cooling fan needs to be provided. The circuit includes Cockcroft-Walton circuitry (20a) in which diodes and capacitors making up this circuitry are fixedly mounted on insulation boards (20b) so that the positions of the diodes and capacitors will not shift during their moulding into an insulation block. <MATH>

IPC 1-7
H05G 1/06; H05G 1/20; H05G 1/32

IPC 8 full level
H05G 1/06 (2006.01); **H05G 1/20** (2006.01); **H05G 1/32** (2006.01)

CPC (source: EP)
H05G 1/06 (2013.01); **H05G 1/12** (2013.01); **H05G 1/32** (2013.01)

Citation (examination)
EP 0634885 A1 19950118 - HAMAMATSU PHOTONICS KK [JP]

Cited by
EP3897077A1; US11778718B2; US11792906B2

Designated contracting state (EPC)
DE FR GB

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EP 0691801 A1 19960110; **EP 0691801 B1 20000405**; DE 69516052 D1 20000511; DE 69516052 T2 20000831; JP 2769434 B2 19980625; JP H0822896 A 19960123

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