

Title (en)
Variable-focus X-ray tube.

Title (de)
Röntgenröhre mit veränderlichem Brennfleck.

Title (fr)
Tube à rayons X à foyer variable.

Publication
EP 0553914 A1 19930804 (EN)

Application
EP 93200136 A 19930120

Priority
EP 92200206 A 19920127

Abstract (en)
In an X-ray tube the geometry of a cathode sleeve (5) is such that a comparatively large variation of focus dimensions on the anode is achieved by way of a single potential variation between, for example +0 and +2000 V. Notably a width dimension of a focus can thus be varied between, for example 0.1 and 2.0 mm and with a focus length of 2.0 operation can take place with a line focus of 0.1 x 2.0 mm<2> as well as with a square focus of 2.0 x 2.0 mm<2>. <IMAGE>

IPC 1-7
H01J 35/06; **H01J 35/30**

IPC 8 full level
H01J 35/06 (2006.01); **H01J 35/14** (2006.01)

CPC (source: EP US)
H01J 35/066 (2019.04 - EP US)

Citation (search report)
• [A] EP 0349388 A1 19900103 - GEN ELECTRIC CGR [FR]
• [A] EP 0283039 A2 19880921 - LITTON SYSTEMS INC [US]
• [A] US 4344011 A 19820810 - HAYASHI TADASHI, et al
• [AD] EP 0389326 A1 19900926 - GEN ELECTRIC CGR [FR]
• [A] PATENT ABSTRACTS OF JAPAN vol. 8, no. 209 (E-268)22 September 1984 & JP-A-59 094 348 (HITACHI) 31 May 1984

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WO2010012403A3

Designated contracting state (EPC)
CH DE FR GB LI NL

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DOCDB simple family (application)
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