

Title (en)
X-RAY SOURCE

Title (de)
RÖNTGENSTRAHLENQUELLE

Title (fr)
SOURCE DE RAYONS X

Publication
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Application
EP 96904583 A 19960131

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Abstract (en)
[origin: WO9625024A1] The x-ray source of the present invention comprises a charged particle beam generator (112) and a vacuum enclosure assembly (176). The charges particle beam generator includes only a single electrical connection (803) for providing high voltage to the electron gun. The generated charged particle beam is controlled through a series of dynamic and static focus coils (187, 185) and moved across the inner face of the target (50) by a stepping coil assembly comprising X and Y deflection coils (190) as well as an X step and preferably Y step coils (188). Further, to minimize power usage a control grid pinches off the charged particle beam during the stepping of the beam.

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