

Title (en)
X-RAY EMITTER

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Application
EP 89120808 A 19891109

Priority
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Abstract (en)
[origin: EP0426898A1] The invention relates to an X-ray emitter having an X-ray tube (4) which is arranged in a housing (1, 2) that is filled with coolant and consists of a trough (1) and a mounting head (2). The X-ray tube (4) is provided with an asymmetric cooling body (13) which is arranged in the region of a heat exchanger (15). Guiding devices (10, 17, 18) are provided which effect a circulation of the coolant which is heated on the cooling body (13) and is cooled in the heat exchanger (15). The coolant circulation is enhanced by superimposing thermal convection in the coolant, thermal conduction in the asymmetric cooling body (13) and forced heat flow through the electrical fields such that the surface temperature of the complete X-ray emitter is virtually identical irrespective of position. <IMAGE>

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H05G 1/06

IPC 8 full level
H05G 1/02 (2006.01); **H05G 1/06** (2006.01)

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H05G 1/025 (2013.01 - EP US); **H05G 1/06** (2013.01 - EP US)

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