

Title (en)  
CIRCULAR ACCELERATOR WITH ADJUSTABLE ELECTRON FINAL ENERGY

Title (de)  
KREISBESCHLEUNIGER MIT EINSTELLBARER ELEKTRONEN-ENDENERGIE

Title (fr)  
ACCÉLÉRATEUR CIRCULAIRE AVEC ÉNERGIE FINALE D'ÉLECTRONS RÉGLABLE

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Application  
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Abstract (en)  
[origin: WO2008064728A1] The invention relates to a betatron (1) for producing pulses of accelerated electrons, particularly in an x-ray testing device, comprising at least one main field coil (L1, L2), one expansion coil (6) for transferring the accelerated electrons to a target, and one electronic control system (7) of the expansion coil (6) for applying an expansion pulse to the expansion coil (6). The electronic control system (7) of the expansion coil (6) is designed such that the time of the expansion pulse for adjusting the final energy of the electrons is variable relative to the main field.

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