Title (en)

X-RAY INSPECTION SYSTEM WITH BEAM SHUTTER

Title (de)

RÖNTGENPRÜFANLAGE MIT STRAHLENVERSCHLUSS

Title (fr)

SYSTÈME D'INSPECTION À RAYONS X AVEC OBTURATEUR DE FAISCEAU

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2015004185A1] The invention relates to a device (1) for closing and opening a beam path (3) of electromagnetic and/or ionising radiation, comprising: at least one part (5), which is arranged permanently in the beam path (3), of a shutter body (9), which can be rotated about a longitudinal axis (7) arranged substantially transversely to the beam path (3) and which has a material that is opaque to the radiation and blocks the beam path (3) when the shutter body (9) is in a closed rotary position (B) and which defines a passage (11) that is transparent to radiation when in an open rotary position (A); and a drive means (13), which is coupled to the shutter body (9) in order to rotate same about the longitudinal axis (7) between the rotary positions (A, B), wherein the drive means (13) is an electromagnetic drive and is designed to move the shutter body (9) between the rotary positions (A, B), wherein at least one of the rotary positions (A, B) corresponds to a stable position of the magnetic drive that holds the magnetic drive without using current.

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