

Title (en)  
MEASUREMENT ARRANGEMENT FOR A COMPUTER TOMOGRAPH

Title (de)  
MESSANORDNUNG FÜR EINEN COMPUTERTOMOGRAPHEN

Title (fr)  
DISPOSITIF DE MESURE POUR UN TOMOGRAPHE ASSISTÉ PAR ORDINATEUR

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Application  
**EP 11772959 A 20111018**

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Abstract (en)  
[origin: WO2012062543A1] The invention relates to a method for operating a measurement arrangement for a computer tomograph, which measurement arrangement has a radiation source (2) of invasive radiation and a flat image detector (3; 13) with scintillation layer (15) and a photocell array of photocells (4) for detection of radiation from the radiation source (2), wherein a calibration object (16) is arranged between the radiation source (2) and the flat image detector (3; 13), and at least one radiation image of the calibration object (16) is recorded with the flat image detector (3; 13), and, from known dimensions of the calibration object (16) and from the at least one radiation image, a distortion error, which occurred as a result of a distortion of the flat image detector (3; 13), is determined as a function of the location in the photocell array (device 6). In particular, a radiation image of an object to be measured, recorded with the flat image detector (3; 13), is corrected on the basis of the determined distortion error.

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US 2003118227 A1 20030626 - WINSOR ROBIN [CA], et al

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