Title (en)
COMPUTER TOMOGRAPHIC IMAGE RECONSTRUCTION

Title (de)
COMPUTERTOMOGRAPHISCHE BILDREKONSTRUKTION

Title (fr)
RECONSTRUCTION D'IMAGES PAR TOMODENSITOMÉTRIE

Publication
EP 1984897 A1 20081029 (DE)

Application
EP 07701848 A 20070131

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Abstract (en)
[origin: WO2007093066A1] The invention relates to a method for reconstruction of an X-ray tomogram for generation of a sectional image from raw image data, generated using a polyenergetic radiation source, comprising the following steps: preparation of a fraction model which determines the fraction of at least two materials (Mat. #1... Mat. #3) in an image element as a function of the density (?) of the image element, reconstruction of a first reconstructed sectional image from the raw image data, iterative calculation of further reconstructed sectional images using a statistical optimisation algorithm taking into account the polyenergetic spectrum of the radiation source and using the fraction model.

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