

Title (en)

RADIOLOGY ASSEMBLY AND METHOD FOR ALIGNING SUCH AN ASSEMBLY

Title (de)

RADIOLOGIEANORDNUNG UND VERFAHREN ZUR AUSRICHTUNG SOLCH EINER ANORDNUNG

Title (fr)

ENSEMBLE DE RADIOLOGIE ET PROCEDE D'ALIGNEMENT D'UN TEL ENSEMBLE

Publication

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Application

EP 21777803 A 20210922

Priority

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Abstract (en)

[origin: WO2022063802A1] The invention relates to a radiology assembly (10) comprising: - a tube (11) for generating a beam of x-rays (12) that is centred around a main emission direction (13), - a planar sensor (14) extending in a plane defined by a first direction (D1) and by a second direction (D2), which directions are substantially perpendicular to the main x-ray emission direction (13), the sensor being intended to receive the x-rays (12), the tube being characterised in that it comprises: - a first divided emitter (15) that is divided into two electromagnetic field-emitting portions; - a second divided emitter (16) that is divided into two electromagnetic field-emitting portions; - a planar electromagnetic field emitter (24), - electromagnetic field sensors (29, 30, 31, 32) that are securely fastened to the planar sensor (14), - a processing means (17) that is intended to determine an angle of alignment between the main emission direction (13) and a normal (N1) of the planar sensor (14) and to determine first and second centering errors, and - a means (171) for correcting the angle of alignment by applying a first corrective movement to the generating tube (11) and first and second centering errors by applying the first corrective movement and/or a second corrective movement to the generating tube (11).

IPC 8 full level

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