

Title (en)

X-RAY IMAGE INTENSIFIER AND ITS USE IN COMPUTED X-RAY IMAGE PROCESSING

Publication

EP 0125962 B1 19881109 (FR)

Application

EP 84400799 A 19840419

Priority

FR 8307183 A 19830429

Abstract (en)

[origin: US4645971A] The thickness of the layer of luminescent material on the edges of the screen at approximately 1/10 DEG from the edge of the image field is approximately 15 to 25% smaller than its thickness at the center of the screen. Thus the length of the x-ray path within the luminescent material is substantially the same irrespective of the angle of incidence of the x-rays on the screen and, when the x-ray energy varies, the sensitivity at all points of the screen varies substantially in the same manner. The screen in accordance with the invention is primarily employed in digital radiology systems in which the same image is produced several times by utilizing different x-ray energies.

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IPC 8 full level

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CPC (source: EP US)

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