

Title (en)

System for direct X-ray radiography suitable for use in industrial non-destructive testing applications and personal monitoring

Title (de)

System für direkte Radiographie, das in der industriellen zerstörungsfreien Prüfung und zur Überwachung von Personen verwendbar ist

Title (fr)

Système pour radiographie directe pouvant être utilisé dans des tests non-destructifs dans le domaine de la radiographie industrielle et pour la surveillance de personnes

Publication

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Application

EP 01000463 A 20010914

Priority

- EP 01000463 A 20010914
- EP 00203439 A 20001004

Abstract (en)

A system has been disclosed for use in radiographic industrial non-destructive testing materials and personal monitoring, making use therefor, of tabular silver brom(oiod)ide emulsion grains having $\approx 11\ \mu$ major faces, an average equivalent circular diameter of at least $0.5\ \mu\text{m}$ and an average thickness of less than $0.30\ \mu\text{m}$, having been chemically sensitized by the steps of adding at least a gold salt in order to provide the surface of said tabular grains with at least 6000 atoms of gold per μm^2 of its grain surface and per $(0.1\ \mu\text{m of thickness})^2$; and at least a sulfite salt in such an amount that the ratio of the number of gold atoms per μm^2 and (concentration of said sulfite salt, expressed in mmole per mole of silver) 2 is at least 200000.

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IPC 8 full level

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CPC (source: EP)

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