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

(57) 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 {111} major faces, an average equivalent circular diameter of at least 0.5 μm and an average thickness of less than 0.30 μm , 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 μm 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.



EUROPEAN SEARCH REPORT

Application Number EP 01 00 0463

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