

Title (en)
Emulsion, material and screen/film system for radiological image formation

Title (de)
Emulsion, Material und Schirm/Filmsystem zur Erzeugung von Röntgenbildern

Title (fr)
Emulsion, matériau et système écran/film pour la formation d'images radiologiques

Publication
EP 1026544 A1 20000809 (EN)

Application
EP 99204591 A 19991224

Priority
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Abstract (en)
In a screen/film system offering a suitable method for radiological image formation the film material comprises a tabular silver chlor(oiod)ide emulsion comprising a binder and silver chlor(oiod)ide crystals having at least 90 mole % of silver chloride, accounting for at least 50% of the total projective surface of said crystals, further having an average thickness of less than 0.3 μ m, an average crystal diameter of more than 0.5 μ m and an average aspect ratio more of than 2:1, wherein said tabular crystals have been spectrally sensitized with blue and/or green spectral sensitizers, characterized in that said crystals have been doped with at least one of a hexa-coordinated metal complex ion having at least 4 fluorine atoms according to the formula (I) as explained more in detail in the description and in the claims

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G03C 1/005; **G03C 1/09**; **G03C 1/12**; **G03C 5/17**

IPC 8 full level
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Citation (search report)
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• [A] WO 9110166 A1 19910711 - EASTMAN KODAK CO [US]
• [A] US 5616446 A 19970401 - MIURA NORIO [JP], et al

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