

Title (en)

Silver halide photographic material and image-forming system in direct X-ray imaging applications

Title (de)

Photographisches Silberhalogenidmaterial und Bilderzeugungssystem für die Verwendung in der direkten radiographischen Bilderzeugung

Title (fr)

Matériau photographique à l'halogénure d'argent et système de formation d'images pour des applications de production d' images radiographiques directes

Publication

EP 1195642 A3 20020424 (EN)

Application

EP 01000462 A 20010914

Priority

- EP 01000462 A 20010914
- EP 00203438 A 20001004

Abstract (en)

[origin: EP1195642A2] A direct X-ray radiographic element has been disclosed and a system for direct X-ray radiography comprised of said element, wherein said element is comprised of a support covered on at least one of its major faces with a tabular grain emulsion layer free from spectrally sensitizing dyes in which at least 50 percent of total grain projected area is accounted for by silver bromo(chloro)iodide tabular grains having an iodide content of at most 1 mole %, based on silver, having an average aspect ratio between 5 and 25, and having a volume between 0.05 and 2 μm^3 , wherein a silver content per coded side, expressed as an equivalent amount of silver nitrate is between 5 and 25 g/m², and further, being disposed on opposite sides of the radiographic element, two intensifying (metal) screens designed to emit electrons when exposed to X or gamma rays with an energy greater than or equal to 10kVp, characterized in that said tabular grain emulsion(s) have selenium in an amount of 0.5 to 20 μmole of selenium per mole of silver nitrate.

IPC 1-7

G03C 1/09; **G03C 1/005**; **G03C 5/17**; **G01T 1/08**

IPC 8 full level

G03C 1/005 (2006.01); **G03C 1/09** (2006.01); **G03C 5/17** (2006.01); **G03C 5/30** (2006.01)

CPC (source: EP)

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Citation (search report)

- [DA] EP 0757286 A1 19970205 - KODAK PATHE [FR], et al
- [DA] US 5766837 A 19980616 - OZEKI TOMOYUKI [JP], et al
- [DA] US 5397692 A 19950314 - SUGA YOICHI [JP]
- [A] GB 758475 A 19561003 - NORBERT JEAN MARIE PIERRE FRAN

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