

Title (en)

Method of reproducing an electronically stored medical image on a light-sensitive photographic material

Title (de)

Verfahren zur Wiedergabe eines elektronisch gespeicherten medizinischen Bildes auf lichtempfindlichen photographischem Material

Title (fr)

Procédé de reproduction d'une image médicale mémorisée électroniquement sur matériau photographique sensible à la lumière

Publication

EP 0794456 A1 19970910 (EN)

Application

EP 97200589 A 19970301

Priority

- EP 97200589 A 19970301
- EP 96200622 A 19960307

Abstract (en)

A method of reproducing an electronically stored medical image on a hardcopy material is disclosed, said material comprising a support and on only one side thereof a silver halide emulsion layer and a hydrophilic colloid layer, wherein said emulsion layer comprises red sensitised homogeneous cubic silver chloride, silver chloriodide, silver chlorobromide or silver chlorobromiodide crystals having not less than 70 mole % of chloride ions and preferably not less than 90 mole %; not more than 1 mole % of iodide ions and an average crystal size of from 0.12 to 0.30 μm and more preferred from 0.15 to 0.25 μm ; wherein said crystals are coated in an amount, expressed as an equivalent amount of silver nitrate of from 2 to 6 g per sq.m. , and wherein said material has a hardening degree corresponding with a water absorption of up to 3 g per gram of gelatin at an emulsion side, the said water absorption being measured as defined herein; said method being characterised by the steps of image-wise exposure of said material with an electronically addressed red or infrared laser followed by development processing in a developer free from hardening agents in less than 20 seconds in a total processing time from 30 to 50 seconds from dry to dry, wherein said developer contains a compound corresponding to formula (I) given herein, a precursor thereof, a derivative thereof and/or a metal salt thereof, being more preferably (iso)ascorbic acid; replenishing said developer in an amount of not more than 100 ml per square meter of developed material; fixing said developer in a time from 2 to 10 seconds; rinsing and drying.

IPC 1-7

G03C 1/035; **G03C 5/26**

IPC 8 full level

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