

Title (en)

Low silver halide radiographic elements for enhanced wet processing

Title (de)

Radiographische Elemente mit niedrigem Silberhalogenidgehalt zur verbesserter Verarbeitung

Title (fr)

Éléments radiographiques à faible taux d' halogénure d' argent pour traitement amélioré

Publication

**EP 1054292 A1 20001122 (EN)**

Application

**EP 00201644 A 20000508**

Priority

US 31396799 A 19990518

Abstract (en)

A radiographic element comprises a support having disposed on each side thereof, a silver halide emulsion unit that comprises silver halide grains and a gelatino-vehicle. The silver halide grains comprise at least 95 mol% bromide based on total silver, at least 50% of the silver halide grain projected area being provided by tabular grains having an average aspect ratio greater than 8. The grains also have a thickness that is no greater than 0.10  $\mu\text{m}$  and an average grain diameter of from about 1.5 to about 3  $\mu\text{m}$ . The coverage of silver in each silver halide emulsion unit is no more than 11  $\text{mg}/\text{dm}^2$ , and the coverage of the gelatino-vehicle in each silver halide emulsion unit is no more than 11  $\text{mg}/\text{dm}^2$ .

IPC 1-7

**G03C 1/005**; **G03C 5/16**

IPC 8 full level

**G03C 1/005** (2006.01); **G03C 1/035** (2006.01); **G03C 1/04** (2006.01); **G03C 1/047** (2006.01); **G03C 1/30** (2006.01); **G03C 1/74** (2006.01); **G03C 5/16** (2006.01)

CPC (source: EP)

**G03C 1/0051** (2013.01); **G03C 5/16** (2013.01); **G03C 1/30** (2013.01); **G03C 2001/0055** (2013.01); **G03C 2001/03511** (2013.01); **G03C 2005/168** (2013.01); **G03C 2007/3025** (2013.01); **G03C 2200/27** (2013.01)

Citation (search report)

- [XY] US 5876909 A 19990302 - HERSHEY STEPHEN A [US], et al
- [Y] US 5759759 A 19980602 - ADIN ANTHONY [US], et al

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