

Title (en)
An improved phototypesetting paper.

Title (de)
Verbessertes Phototypie-Papier.

Title (fr)
Papier phototypie amélioré.

Publication
EP 0513726 A1 19921119 (EN)

Application
EP 92107963 A 19920512

Priority
• US 70022891 A 19910514
• US 84992892 A 19920312

Abstract (en)
A phototypesetting paper is disclosed comprised of a white reflective support and an imaging layer unit coated on the support exhibiting a maximum density of at least 2.0 and a contrast in excess of 2.0 over a 0.75 log E exposure range measured from the minimum exposure required to produce a density of 0.2 above fog. The imaging layer unit is comprised of a tabular grain silver halide emulsion having a grain halide content of from 0 to 5 mole percent chloride, from 0 to 15 mole percent iodide and from 80 to 100 mole percent bromide, based on total silver. The phototypesetting paper is characterized in that the coefficient of variation of the tabular grain emulsion is less than 15 percent, based on the total grain population of the emulsion having an equivalent circular diameter of greater than 0.1 μ m, and greater than 97 percent of the total grain population of the emulsion having an equivalent circular diameter of greater than 0.1 μ m is accounted for by tabular grains having a mean thickness of less than 0.2 μ m and a tabularity of greater than 25. <IMAGE>

IPC 1-7
G03C 1/035; **G03C 1/07**; **G03C 1/775**

IPC 8 full level
D21H 27/00 (2006.01); **G03C 1/005** (2006.01); **G03C 1/035** (2006.01); **G03C 1/775** (2006.01); **G03C 1/79** (2006.01)

CPC (source: EP)
G03C 1/0051 (2013.01); **G03C 1/775** (2013.01)

Citation (search report)
• [XD] US 4797354 A 19890110 - SAITOU MITSUO [JP], et al
• [Y] GB 808228 A 19590128 - ILFORD LTD
• [AD] JOURNAL OF THE AMERICAN OIL CHEMISTS' SOCIETY. vol. 54, no. 3, 1977, CHAMPAIGN US I.R.SCHMOLKA: 'A Review of Block Copolymer Surfactants'

Cited by
US5773207A; EP0596469A1

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