

Title (en)
Silver halide emulsion

Title (de)
Silberhalogenidemulsion

Title (fr)
Emulsion d'halogénure d'argent

Publication
EP 0645670 B1 19991201 (EN)

Application
EP 94115393 A 19940929

Priority
JP 26405993 A 19930929

Abstract (en)
[origin: EP0645670A1] A silver halide emulsion comprises silver halide grains, which are dispersed in a dispersing medium. At least 60 % of the silver halide grains based on projected area of the grains are specific tabular grains having an aspect ratio (diameter per thickness) of not less than 2. The specific tabular silver halide grains have a chloride content in the range of 20 to 99.99 mol %. The specific silver halide grains further have {100} major faces. The specific grains furthermore have a thickness of not more than 0.35 μ m. According to the present invention, twinned crystal grains contained in the emulsion comprise not more than 10 % of the specific tabular silver halide grains based on projected area of the grains. Further, the specific tabular silver halide grains are formed from grain nuclei. The nuclei have at least one gap interface of halide composition.
<IMAGE>

IPC 1-7
G03C 1/035

IPC 8 full level
G03C 1/015 (2006.01); **G03C 1/005** (2006.01); **G03C 1/035** (2006.01); **G03C 1/16** (2006.01); **G03C 1/34** (2006.01)

CPC (source: EP)
G03C 1/0053 (2013.01); **G03C 1/16** (2013.01); **G03C 1/346** (2013.01); **G03C 2200/01** (2013.01)

Cited by
US5888718A; US5905022A; US5908740A; EP0809135A1; EP0843207A1; US5885763A; EP0737887A3; US5807665A; US6887430B1

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0645670 A1 19950329; EP 0645670 B1 19991201; DE 69421878 D1 20000105; DE 69421878 T2 20000420; JP H07146522 A 19950606

DOCDB simple family (application)
EP 94115393 A 19940929; DE 69421878 T 19940929; JP 26405993 A 19930929