

Title (en)

High tabularity high chloride emulsions of exceptional stability

Title (de)

Hochchloridhaltige Emulsionen hoher Tafelförmigkeit von aussergewöhnlicher Stabilität

Title (fr)

Emulsions à haute teneur en chlorure et à haute tabularité de stabilité exceptionnelle

Publication

EP 0534395 B2 20060412 (EN)

Application

EP 92116262 A 19920923

Priority

- US 76486891 A 19910924
- US 82633892 A 19920127

Abstract (en)

[origin: EP0534395A1] A radiation sensitive emulsion is disclosed containing a silver halide grain population comprised of at least 50 mole percent chloride, based on total silver forming the grain population. Greater than 30 percent of the grain population projected area is accounted for by tabular grains having a thickness of less than 0.3 μm and having $\sim 100\text{\AA}$ major faces. In one preferred form of the invention tabular grains are formed by nucleation in the presence of iodide with chloride accounting for at least 50 mole percent of the halide present in the dispersing medium and the pCl of the dispersing medium being maintained in the range of from 0.5 to 3.5. <IMAGE>

IPC 8 full level

G03C 1/00 (2006.01); **G03C 1/005** (2006.01); **G03C 1/015** (2006.01); **G03C 1/035** (2006.01); **G03C 1/047** (2006.01); **G03C 1/07** (2006.01); **G03C 1/16** (2006.01); **G03C 1/18** (2006.01)

CPC (source: EP)

G03C 1/0053 (2013.01); **G03C 1/047** (2013.01); **G03C 1/07** (2013.01); **G03C 1/16** (2013.01); **G03C 1/18** (2013.01); **G03C 2001/0055** (2013.01); **G03C 2001/0156** (2013.01); **G03C 2001/03511** (2013.01); **G03C 2001/03558** (2013.01); **G03C 2001/03594** (2013.01); **G03C 2200/01** (2013.01)

Cited by

US6143483A; US5665530A; EP0618492A3; EP0670514A3; EP0617320A3; EP0645670A1; US5399477A; US5385818A; EP0653669A1; US5756276A; EP0618482A1; EP0584815A1; EP0617321A1; US6074811A; EP0672940A3; US5593820A; EP0616255A1; EP0617318A3; EP0617322A1; US5807665A; US5650264A; US5498511A; EP0617319A1; US5314798A; EP0620479A1; US5707793A; US5395746A; EP0678772A1; EP0618493A3; US5814439A; US5563024A; US5434038A; US5457021A; US5443943A; US5491050A; US5618656A; EP0617325A1; EP0686874A1; EP0695968A2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

EP 0534395 A1 19930331; **EP 0534395 B1 19981111**; **EP 0534395 B2 20060412**; AT E173341 T1 19981115; AU 2599492 A 19930427; DE 69227567 D1 19981217; DE 69227567 T2 19990506; DE 69227567 T3 20061026; DK 0534395 T3 19990726; ES 2123532 T3 19990116; JP 3243010 B2 20020107; JP H05204073 A 19930813; WO 9306521 A1 19930401

DOCDB simple family (application)

EP 92116262 A 19920923; AT 92116262 T 19920923; AU 2599492 A 19920902; DE 69227567 T 19920923; DK 92116262 T 19920923; ES 92116262 T 19920923; JP 27672692 A 19920922; US 9207549 W 19920902