

Title (en)

Preparation of tabular grain emulsions with intermediate aspect ratio.

Title (de)

Herstellung von Tafelkornemulsionen mit mittleren Aspektverhältnis.

Title (fr)

Préparation des émulsions à grains tabulaires avec un indice de form intermédiaire.

Publication

EP 0577886 A1 19940112 (EN)

Application

EP 92202114 A 19920710

Priority

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Abstract (en)

A method is disclosed for the preparation of emulsions containing tabular grains with moderate aspect ratio and good monodispersity comprising following steps : performing a nucleation step, a physical ripening step, at least one growth step at a pBr value lower than 2, concentrating the reaction mixture volume by ultrafiltration during the precipitation steps in such a way that, at any moment when said ultrafiltration is applied, the ultrafiltration flux is equal to or greater than the sum of the flow rates of the silver ion and halogenide ion solutions.

IPC 1-7

G03C 1/005; **G03C 1/015**

IPC 8 full level

G03C 1/00 (2006.01); **G03C 1/005** (2006.01); **G03C 1/015** (2006.01); **G03C 1/025** (2006.01); **G03C 1/035** (2006.01)

CPC (source: EP)

G03C 1/0051 (2013.01); **G03C 1/015** (2013.01); **G03C 2001/0157** (2013.01)

Citation (search report)

- [A] EP 0423538 A1 19910424 - MINNESOTA MINING & MFG [US]
- [A] EP 0222252 A2 19870520 - AGFA GEVAERT AG [DE]
- [A] US 4334012 A 19820608 - MIGNOT ANDRE G E
- [A] US 4336328 A 19820622 - BROWN BARRY M, et al

Cited by

US5702879A; US5616455A; EP0871063A1; US6171738B1; US6878512B2

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