

Title (en)

SIZING EMULSION

Title (de)

LEIMUNGSEMULSION

Title (fr)

EMULSIONS DE COLLAGE

Publication

EP 1203122 B1 20030423 (EN)

Application

EP 00946593 A 20000616

Priority

- EP 00946593 A 20000616
- EP 99850113 A 19990624
- SE 0001264 W 20000616
- US 14170599 P 19990624

Abstract (en)

[origin: WO0100927A1] The invention refers to a novel sizing emulsion comprising a substituted succinic anhydride and positively charged colloidal silica particles or positively charged colloidal alumina particles or positively charged colloidal zirconia particles.

IPC 1-7

D21H 21/16; D21H 17/74

IPC 8 full level

D21H 17/00 (2006.01); **D21H 17/14** (2006.01); **D21H 17/67** (2006.01); **D21H 17/68** (2006.01); **D21H 21/16** (2006.01); **D21H 17/16** (2006.01);
D21H 17/69 (2006.01)

CPC (source: EP)

D21H 17/74 (2013.01); **D21H 21/16** (2013.01); **D21H 17/16** (2013.01); **D21H 17/675** (2013.01); **D21H 17/68** (2013.01); **D21H 17/69** (2013.01)

Cited by

US2022056226A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0100927 A1 20010104; AT E238451 T1 20030515; AU 6032800 A 20010131; AU 758182 B2 20030320; DE 60002341 D1 20030528;
DE 60002341 T2 20040122; EP 1099795 A1 20010516; EP 1203122 A1 20020508; EP 1203122 B1 20030423; ES 2195920 T3 20031216;
RU 2223355 C2 20040210

DOCDB simple family (application)

SE 0001264 W 20000616; AT 00946593 T 20000616; AU 6032800 A 20000616; DE 60002341 T 20000616; EP 00946593 A 20000616;
EP 99850113 A 19990624; ES 00946593 T 20000616; RU 2002101731 A 20000616