

Title (en)

Stable detergents containing optical brighteners.

Title (de)

Stabile, optische Aufheller enthaltende Waschmittel.

Title (fr)

Détergents stables contenant des azurants optiques.

Publication

EP 0317979 B1 19941207 (DE)

Application

EP 88119488 A 19881123

Priority

CH 459987 A 19871126

Abstract (en)

[origin: EP0317979A2] Detergents which, besides inorganic and/or organic peracids, contain specific stilbene compounds as optical brighteners. These detergents are stable for several months and display the customary cleaning properties even at washing temperatures of 20-60 DEG C.

IPC 1-7

C11D 3/395; **C11D 3/42**

IPC 8 full level

C09B 57/00 (2006.01); **C11D 3/39** (2006.01); **C11D 3/42** (2006.01); **D06L 3/12** (2006.01)

CPC (source: EP)

C11D 3/39 (2013.01); **C11D 3/42** (2013.01)

Cited by

EP0724012A1; EP0322564B1; EP2112218A1; WO2016207691A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

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EP 0317979 A2 19890531; **EP 0317979 A3 19890816**; **EP 0317979 B1 19941207**; AU 2593488 A 19890601; AU 623869 B2 19920528; BR 8806214 A 19890815; DE 3852380 D1 19950119; ES 2065329 T3 19950216; JP 2634452 B2 19970723; JP H01168800 A 19890704; ZA 888796 B 19890726

DOCDB simple family (application)

EP 88119488 A 19881123; AU 2593488 A 19881125; BR 8806214 A 19881125; DE 3852380 T 19881123; ES 88119488 T 19881123; JP 29481788 A 19881124; ZA 888796 A 19881124