

Title (en)

Stable detergents containing optical brighteners.

Title (de)

Stabile, optische Aufheller enthaltende Waschmittel.

Title (fr)

Détergents stables contenant des azurants optiques.

Publication

EP 0322564 A2 19890705 (DE)

Application

EP 88119486 A 19881123

Priority

CH 500987 A 19871223

Abstract (en)

Detergents which, besides inorganic and/or organic peracids, contain specific stilbene compounds as optical brighteners are stable for several months and show the usual cleaning properties even at washing temperatures of 20-60 DEG C.

Abstract (de)

Waschmittel, die neben anorganischen und/oder organischen Persäuren, spezifische Stilben-Verbindungen als optische Aufheller enthalten. Diese Waschmittel sind mehrere Monate stabil und zeigen die üblichen Reinigungseigenschaften schon bei Waschttemperaturen von 20-60 °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 3/3942 (2013.01); **C11D 3/3945** (2013.01); **C11D 3/42** (2013.01)

Cited by

CN104046350A; EP0724012A1; EP0368100A3; US6566320B1; US6569826B1; US6991747B2; EP2112218A1; WO2016207691A1

Designated contracting state (EPC)

CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)

EP 0322564 A2 19890705; **EP 0322564 A3 19890830**; **EP 0322564 B1 19940615**; AU 2593588 A 19890706; AU 624587 B2 19920618; BR 8806215 A 19890815; DE 3850234 D1 19940721; ES 2054774 T3 19940816; JP 2634453 B2 19970723; JP H01172497 A 19890707; ZA 888793 B 19890830

DOCDB simple family (application)

EP 88119486 A 19881123; AU 2593588 A 19881125; BR 8806215 A 19881125; DE 3850234 T 19881123; ES 88119486 T 19881123; JP 29481988 A 19881124; ZA 888793 A 19881124