

Title (en)  
Aqueous emulsions with brighteners

Title (de)  
Wässrige Emulsionen mit Aufhellern

Title (fr)  
Emulsions aqueuses avec des agents de blanchiment

Publication  
**EP 0686691 A1 19951213 (EN)**

Application  
**EP 94201667 A 19940610**

Priority  
EP 94201667 A 19940610

Abstract (en)  
Aqueous compositions are disclosed which comprise a hydrophobic brightener, i.e. a brightener whose solubility in water is lower than 5 grams per liter at 25 DEG C, emulsified by a surfactant system comprising at least a hydrophobic surfactant having an HLB up to 9 and a hydrophilic surfactant having an HLB above 10. Preferred emulsions further comprise a bleach and a bleach activator. The compositions herein allow to obtain excellent synthetic fabric whiteness performance.

IPC 1-7  
**C11D 1/825**; **C11D 1/83**; **C11D 3/39**; **C11D 3/42**

IPC 8 full level  
**C11D 1/72** (2006.01); **C11D 1/825** (2006.01); **C11D 1/83** (2006.01); **C11D 3/42** (2006.01); **C11D 17/08** (2006.01); **D06L 3/12** (2006.01); **D06L 4/621** (2017.01); **C11D 1/14** (2006.01)

CPC (source: EP)  
**C11D 1/825** (2013.01); **C11D 1/83** (2013.01); **C11D 3/42** (2013.01); **D06L 4/621** (2016.12); **C11D 1/146** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)  
• [X] WO 9412600 A1 19940609 - PROCTER & GAMBLE [US], et al & EP 0598973 A1 19940601 - PROCTER & GAMBLE [US]  
• [DX] EP 0598170 A1 19940525 - PROCTER & GAMBLE [US]

Cited by  
EP2899259A1; WO2015112342A1; US2016168780A1; US5902354A; US5916865A; WO2013039963A1; WO9927059A1; WO2006013033A1; EP2295531A1; WO2011031712A2; WO2011109319A1; WO2021076683A1; WO2011127102A1; EP2865741A1; WO2015065805A1; EP2865742A1; WO2015065809A1; EP3109306A1; EP2399978A1; WO2011163371A1; US8895493B2; US9550962B2; EP2365051A1; WO2011112886A1; EP3184619A1; WO2017112384A1; EP2365053A1; WO2011112910A1; EP2399979A1; EP2399980A1; WO2011163112A1; WO2011163428A1; US8889610B2; EP3969553B1

Designated contracting state (EPC)  
DE ES FR GB GR IT

DOCDB simple family (publication)  
**EP 0686691 A1 19951213**; **EP 0686691 B1 20010808**; AU 2555195 A 19960105; AU 704895 B2 19990506; CA 2191569 A1 19951221; DE 69427905 D1 20010913; DE 69427905 T2 20020404; ES 2158878 T3 20010916; GR 3036360 T3 20011130; JP H10501296 A 19980203; WO 9534621 A1 19951221

DOCDB simple family (application)  
**EP 94201667 A 19940610**; AU 2555195 A 19950523; CA 2191569 A 19950523; DE 69427905 T 19940610; ES 94201667 T 19940610; GR 20010401214 T 20010809; JP 50218495 A 19950523; US 9506482 W 19950523