

Title (en)  
Liquid aqueous cleaning compositions

Title (de)  
Flüssige wässrige Reinigerzusammensetzungen

Title (fr)  
Compositions de nettoyage aqueuses liquides

Publication  
**EP 0856577 A1 19980805 (EN)**

Application  
**EP 97870153 A 19971008**

Priority  
• EP 97870153 A 19971008  
• EP 97870013 A 19970203  
• US 9801560 W 19980128

Abstract (en)  
The present invention relates to a liquid composition having a pH up to 7 and comprising from 0.01% to 20% by weight of the total composition of a peroxygen bleach, from 0.001% to 30% by weight of the total composition of an ethoxylated nonionic surfactant, from 0.001% to 20% by weight of a zwitterionic betaine surfactant at a weight ratio of the ethoxylated nonionic surfactant to the zwitterionic betaine surfactant of from 0.01 to 20, with the proviso that said composition is free of an antimicrobial essential oil or an active thereof or a mixture thereof. These compositions are suitable to deliver improved stain removal performance and improved bleaching performance on various inanimate surfaces.

IPC 1-7  
**C11D 1/94**; **C11D 3/39**

IPC 8 full level  
**C11D 1/72** (2006.01); **C11D 1/88** (2006.01); **C11D 3/395** (2006.01); **C11D 1/94** (2006.01); **C11D 3/00** (2006.01); **C11D 3/39** (2006.01); **C11D 7/18** (2006.01); **C11D 7/54** (2006.01); **C11D 1/90** (2006.01)

CPC (source: EP)  
**C11D 1/94** (2013.01); **C11D 3/3947** (2013.01); **C11D 1/72** (2013.01); **C11D 1/90** (2013.01)

Citation (search report)  
• [X] FR 2619823 A1 19890303 - COLGATE PALMOLIVE CO [US]  
• [A] EP 0433257 A1 19910619 - BEROL NOBEL AB [SE]  
• [A] EP 0386566 A1 19900912 - HENKEL KGAA [DE]  
• [A] US 4490536 A 19841225 - CORTI MIGUEL [US], et al  
• [A] US 4582636 A 19860415 - CROSSIN MICHAEL C [US]

Cited by  
EP1024188A1; US6448214B1; US6620774B1; WO9918183A1; WO0043485A1; US11932833B2

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**EP 0856577 A1 19980805**; **EP 0856577 B1 20040506**; HU P0001951 A2 20001128; WO 9833879 A1 19980806

DOCDB simple family (application)  
**EP 97870153 A 19971008**; HU P0001951 A 19980128; US 9801560 W 19980128