

Title (en)
STABLE LIQUID DIPEROXYACID BLEACH

Publication
EP 0240481 B1 19900627 (EN)

Application
EP 87870040 A 19870331

Priority
• US 1010987 A 19870202
• US 84638186 A 19860331

Abstract (en)
[origin: EP0240481A1] Stable liquid bleach compositions containing diperoxyacid particles, C11-C13 linear alkylbenzene sulfonate surfactant, optional cumene sulfonate, magnesium sulfate, optional sodium or potassium sulfate, and water combined at certain carefully balanced levels and ratios. The compositions have a pH of from about 2 to about 4.5 and a viscosity of from about 50 to about 1000 cps at 20 DEG C.

IPC 1-7
C11D 3/39

IPC 8 full level
C11D 10/02 (2006.01); **C11D 1/22** (2006.01); **C11D 3/04** (2006.01); **C11D 3/39** (2006.01); **C11D 3/395** (2006.01)

CPC (source: EP KR)
C11D 3/3945 (2013.01 - EP); **C11D 3/3947** (2013.01 - EP); **D06L 4/10** (2016.12 - KR); **D06M 13/10** (2013.01 - KR)

Citation (examination)
FR 2229766 A1 19741213 - PROCTER & GAMBLE [US]

Cited by
US5234617A; US7256167B2; US5160655A; US5591706A; US5536435A; US5932532A; EP0378262A3; GB2398571A; US5409632A; US4822510A; US5358654A; US4828747A; EP0337516A3; US4929377A; EP0504952A1; US5431848A; US4824592A; US7119055B2; US7186676B2; US7288512B2; WO2007077088A1; US7291586B2; US7196046B2; EP0334405B1

Designated contracting state (EPC)
AT BE CH DE FR GB GR IT LI NL SE

DOCDB simple family (publication)
EP 0240481 A1 19871007; EP 0240481 B1 19900627; AU 600263 B2 19900809; AU 7076187 A 19871008; CA 1294510 C 19920121; DE 3763424 D1 19900802; GB 2188654 A 19871007; GB 8707571 D0 19870507; GR 3000789 T3 19911010; HK 104692 A 19921231; IE 60011 B1 19940518; IE 870814 L 19870930; JP 2528867 B2 19960828; JP S63399 A 19880105; KR 870009073 A 19871023; KR 940006254 B1 19940713; MX 172458 B 19931217; SG 99892 G 19930219

DOCDB simple family (application)
EP 87870040 A 19870331; AU 7076187 A 19870330; CA 533362 A 19870330; DE 3763424 T 19870331; GB 8707571 A 19870330; GR 890400314 T 19900914; HK 104692 A 19921224; IE 81487 A 19870330; JP 7655487 A 19870331; KR 870002921 A 19870330; MX 581087 A 19870331; SG 99892 A 19920929