

Title (en)
Detergent compositions

Title (de)
Waschmittelzusammensetzungen

Title (fr)
Compositions détergentes

Publication
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Application
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Abstract (en)
The present invention relates to detergent compositions comprising: a-a hydrophobic bleaching system selected from i)-hydrogen peroxide or a source thereof in amount of from 0.1% to 60% by weight and combined with a hydrophobic peroxyacid bleach precursor in amount of from 0.1% to 60% by weight, ii)-a preformed hydrophobic peroxyacid in amount of from 0.1% to 60% by weight, and iii) mixtures of i) and ii), wherein a hydrophobic peroxyacid bleach precursor is defined as a compound which produces under perhydrolysis a hydrophobic peroxyacid whose parent carboxylic acid has a critical micelle concentration less than 0.5 moles/litre measured in aqueous solution at 25 DEG C and pH 7, and wherein a hydrophobic preformed peroxyacid is defined as a compound whose parent carboxylic acid has a critical micelle concentration less than 0.5 moles/litre measured in aqueous solution at 25 DEG C and pH 7, b-up to 5% by weight of a perfume composition, and c-at least 0.6% by weight of a metal ion sequestrant selected from aminocarboxylate compounds, aminophosphonates and mixtures thereof. The said compositions provide effective cleaning of fabrics without being detrimental to the perfume composition deposited on the fabrics.

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IPC 8 full level
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Citation (applicant)
• GB 9425876 A 19941221
• GB 9505518 A 19950318
• WO 9502681 A1 19950126 - PROCTER & GAMBLE [US], et al
• EP 0332259 A2 19890913 - PROCTER & GAMBLE [US]
• GB 2066839 A 19810715 - VYSOKA SKOLA CHEM TECH
• US 4539135 A 19850903 - RAMACHANDRAN PALLASSANA [US], et al
• US 4713193 A 19871215 - TAI HO T [FR]
• US 4304675 A 19811208 - COREY GARLAND G, et al
• WO 9419449 A1 19940901 - QUEST INT [NL], et al
• WO 9428107 A1 19941208 - PROCTER & GAMBLE [US]
• EP 0170386 A2 19860205 - PROCTER & GAMBLE [US]
• US 4412934 A 19831101 - CHUNG STANLEY Y [US], et al
• EP 0120591 A1 19841003 - PROCTER & GAMBLE [US]
• GB 955735 A 19640422 - SULZER AG
• US 4904406 A 19900227 - DARWENT JAMES R [GB], et al
• US 4751015 A 19880614 - HUMPHREYS ROBERT W [US], et al
• US 4988451 A 19910129 - NUNN CHARLES C [US], et al
• US 4397757 A 19830809 - BRIGHT SAMUEL C [GB], et al
• US 5269962 A 19931214 - BRODBECK KEVIN J [US], et al
• US 5127852 A 19920707 - CRAVENS DAVID M [US], et al
• US 5093022 A 19920303 - SOTOYA KOHSHIRO [JP], et al
• US 5106528 A 19920421 - FRANCIS KEITH C [GB], et al
• GB 1382594 A 19750205 - UNILEVER LTD
• EP 0475512 A1 19920318 - UNILEVER NV [NL], et al
• EP 0458396 A1 19911127 - UNILEVER NV [NL], et al
• EP 0284292 A2 19880928 - KAO CORP [JP]
• JP H01158097 A 19890621 - KAO CORP
• GB 9407944 A 19940421
• US 5686015 A 19971111 - WILLEY ALAN DAVID [US], et al
• US 5460747 A 19951024 - GOSSELINK EUGENE P [US], et al
• US 5578136 A 19961126 - TAYLOR LUCILLE F [US], et al
• US 5584888 A 19961217 - MIRACLE GREGORY S [US], et al
• US 5246621 A 19930921 - FAVRE THOMAS L F [NL], et al
• US 5244594 A 19930914 - FAVRE THOMAS L F [NL], et al
• EP 0549272 A1 19930630 - UNILEVER PLC [GB], et al
• US 4246612 A 19810120 - BERRY PETER J, et al
• US 5227084 A 19930713 - MARTENS RUDOLF J [NL], et al
• US 5194416 A 19930316 - JURELLER SHARON H [US], et al
• US 5114606 A 19920519 - VAN VLIET MARTEN R P [NL], et al
• US 5114611 A 19920519 - VAN KRALINGEN CORNELIS G [GB], et al
• EP 0408131 A2 19910116 - UNILEVER NV [NL], et al
• EP 0384503 A1 19900829 - UNILEVER NV [NL], et al
• EP 0306089 A2 19890308 - UNILEVER NV [NL], et al
• US 4728455 A 19880301 - REREK MARK E [US]

- US 4711748 A 19871208 - IRWIN CHARLES F [US], et al
- EP 0224952 A2 19870610 - UNILEVER NV [NL], et al
- US 4601845 A 19860722 - NAMNATH JAMES S [US]
- US 4626373 A 19861202 - FINCH TIMOTHY D [GB], et al
- US 4119557 A 19781010 - POSTLETHWAITE DENNIS
- DE 2054019 A1 19711007
- CA 866191 A 19710316 - UNILEVER LTD
- US 4430243 A 19840207 - BRAGG CHARLES D [GB]
- US 4483781 A 19841120 - HARTMAN FREDERICK A [US]
- US 4634551 A 19870106 - BURNS MICHAEL E [US], et al
- EP 0133354 A1 19850220 - INTEROX CHEMICALS LTD [GB]
- EP 0317542 A2 19890524 - PROCTER & GAMBLE [US]
- EP 0399133 A1 19901128 - PROCTER & GAMBLE [US]
- US 3929678 A 19751230 - LAUGHLIN ROBERT GENE, et al
- US 4259217 A 19810331 - MURPHY ALAN P
- WO 9206154 A1 19920416 - PROCTER & GAMBLE [US]
- US 4664839 A 19870512 - RIECK HANS-PETER [DE]
- DE 3417649 A1 19851114 - HOECHST AG [DE]
- DE 3742043 A1 19890622 - HOECHST AG [DE]
- US 3985669 A 19761012 - KRUMMEL H KARL, et al
- US 3128287 A 19640407 - BERG RUDOLPH G
- US 3635830 A 19720118 - LAMBERTI VINCENT, et al
- US 4663071 A 19870505 - BUSH RODNEY D [US], et al
- US 3923679 A 19751202 - RAPKO JOHN N
- US 3835163 A 19740910 - RAPKO J
- US 4158635 A 19790619 - CRUTCHFIELD MARVIN M, et al
- US 4120874 A 19781017 - CRUTCHFIELD MARVIN M, et al
- US 4102903 A 19780725 - CRUTCHFIELD MARVIN M, et al
- US 4566984 A 19860128 - BUSH RODNEY D [US]
- EP 0200263 A2 19861105 - PROCTER & GAMBLE [US], et al
- US 4144226 A 19790313 - CRUTCHFIELD MARVIN M, et al
- US 3308067 A 19670307 - DIEHL FRANCIS LOUVAINE [US]
- US 3723322 A 19730327 - DIEHL F
- GB 1243784 A 19710825 - NOVO TERAPEUTISK LABOR AS [DK]
- EP 0130756 A1 19850109 - GENENTECH INC [US]
- EP 0257189 A2 19880302 - HIGETA SHOYU KK [JP], et al
- GB 1296839 A 19721122
- US 4435307 A 19840306 - BARBESGAARD PEDER O [DK], et al
- GB 2075028 A 19811111 - NOVO INDUSTRI AS
- GB 2095275 A 19820929 - KAO CORP
- DE 2247832 A1 19730405 - RIKAGAKU KENKYUSHO
- GB 1372034 A 19741030 - UNILEVER LTD
- JP S5320487 A 19780224 - AMANO PHARMA CO LTD
- EP 0341947 A1 19891115 - UNILEVER PLC [GB], et al
- WO 8909813 A1 19891019 - NOVO INDUSTRI AS [DK]
- US 3553139 A 19710105 - MCCARTY CHARLES BRUCE [US]
- US 4101457 A 19780718 - PLACE GEOFFREY, et al
- US 4507219 A 19850326 - HUGHES LARRY J [US]
- US 4261868 A 19810414 - HORA JIRI, et al
- US 3600319 A 19710817 - GEDGE BURTON H, et al
- EP 0199405 A2 19861029 - PROCTER & GAMBLE [US]
- US 3519570 A 19700707 - MCCARTY CHARLES BRUCE [US]
- EP 0066915 A2 19821215 - PROCTER & GAMBLE [US], et al
- EP 0193360 A2 19860903 - PROCTER & GAMBLE [US], et al
- US 4597898 A 19860701 - VANDER MEER JAMES M [US]
- EP 0111965 A2 19840627 - PROCTER & GAMBLE [US]
- EP 0111984 A2 19840627 - PROCTER & GAMBLE [US]
- EP 0112592 A2 19840704 - PROCTER & GAMBLE [US]
- US 4548744 A 19851022 - CONNOR DANIEL S [US]
- US 4721580 A 19880126 - GOSSELINK EUGENE P [US]
- US 4000093 A 19761228 - NICOL CHARLES HENRY, et al
- EP 0219048 A2 19870422 - BASF AG [DE]
- US 3959230 A 19760525 - HAYS HUGH ROBERT
- US 3893929 A 19750708 - BASADUR MARINO S
- US 4702857 A 19871027 - GOSSELINK EUGENE P [US]
- US 4968451 A 19901106 - SCHEIBEL JEFFREY J [US], et al
- US 4711730 A 19871208 - GOSSELINK EUGENE P [US], et al
- US 4877896 A 19891031 - MALDONADO RENE [US], et al
- EP 0262897 A2 19880406 - UNILEVER PLC [GB], et al
- EP 0256696 A1 19880224 - UNILEVER PLC [GB], et al
- US 4790856 A 19881213 - WIXON HAROLD E [US]
- US 3646015 A 19720229 - HAMILTON LEWIS R
- US 2954347 A 19600927 - ST JOHN WAYNE L, et al
- US 4265779 A 19810505 - GANDOLFO DANIEL, et al
- EP 0354016 A2 19900207 - DOW CORNING [US]
- US 3455839 A 19690715 - RAUNER LAWRENCE A
- DE 2124526 A1 19711202
- US 3933672 A 19760120 - BARTOLOTTA GUISEPPE, et al
- US 4652392 A 19870324 - BAGINSKI RICHARD M [US], et al
- US 4798679 A 19890117 - CASTRO ARTEMIO [US], et al
- US 4075118 A 19780221 - GAULT TERRELL WILSON, et al
- EP 0150872 A1 19850807 - PROCTER & GAMBLE [US], et al
- US 4062647 A 19771213 - STORM THOMAS D, et al

- US 4375416 A 19830301 - CRISP PETER N [GB], et al
- US 4291071 A 19810922 - HARRIS RICHARD G, et al
- STEFFEN ARCTANDER, PERFUME AND FLAVOR CHEMICALS (AROMA CHEMICALS, 1969
- SCHWARTZ; PERRY; BERCH, SURFACE ACTIVE AGENTS AND DETERGENTS, vol. I, II
- BARTH ET AL.: "Chemical Analysis", vol. 113, article "Modern Methods of Polymer Characterization"
- M. ZAHRADNIK: "The Production and Application of Fluorescent Brightening Agents", 1982, JOHN WILEY & SONS
- "Kirk Othmer Encyclopedia of Chemical Technology", vol. 7, 1979, JOHN WILEY & SONS, INC., pages: 430 - 447

Citation (search report)

- [A] WO 9208780 A1 19920529 - PROCTER & GAMBLE [US]
- [DA] EP 0332259 A2 19890913 - PROCTER & GAMBLE [US]
- [DA] EP 0147191 A2 19850703 - UNILEVER NV [NL]
- [A] US 5248434 A 19930928 - NICHOLSON WILLIAM J [US]
- [A] EP 0299561 A2 19890118 - UNILEVER NV [NL], et al
- [A] DATABASE WPI Section Ch Week 9126, Derwent World Patents Index; Class D25, AN 91-188929, XP002002509

Cited by

GB2329188A; EP3546560A1; WO9913040A1; WO2019191171A1

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