

Title (en)

Detergent compositions containing cellulase enzyme and selected perfumes for improved odor and stability.

Title (de)

Waschmittel enthaltend Cellulase und ausgewählte Parfüme zwecks besserem Geruchs und Stabilität.

Title (fr)

Compositions détergentes contenant des cellulases et des parfums choisis pour améliorer l'odeur et la stabilité.

Publication

EP 0679714 A2 19951102 (EN)

Application

EP 95870041 A 19950425

Priority

US 23407794 A 19940428

Abstract (en)

A detergent composition containing cellulase and perfume is provided. Specifically, the detergent composition comprises: (a) a cellulase enzyme; and (b) a perfume containing at least 25% by weight of at least one fragrance material selected from the group consisting of aliphatic ketones with a molecular weight of between 200 and 350 AMU, aromatic ketones with a molecular weight of between 150 and 350 AMU, aliphatic aldehydes with a molecular weight of between 160 and 350 AMU, aromatic aldehydes with a molecular weight of between 150 and 350 AMU, condensation products of aldehydes and amines with a molecular weight between 190 and 350 AMU, aromatic and aliphatic lactones with a molecular weight between 140 and 350 AMU, aromatic and aliphatic ethers with a molecular weight between 150 and 350 AMU, aliphatic alcohols with a molecular weight between 200 and 350 AMU, aromatic and aliphatic esters with a molecular weight between 190 and 350 AMU and mixtures thereof. The perfume is substantially free of halogenated fragrance materials and nitromusks.

IPC 1-7

C11D 3/386; C11D 3/50

IPC 8 full level

C11D 3/386 (2006.01); **C11D 3/50** (2006.01); **C11D 3/60** (2006.01)

CPC (source: EP US)

C11D 3/38645 (2013.01 - EP US); **C11D 3/50** (2013.01 - EP US)

Citation (applicant)

- US 4515705 A 19850507 - MOEDDEL ROBERT W [US]
- EP 0430315 A2 19910605 - UNILEVER NV [NL], et al
- JP 33493188 A 19881229
- US 4435307 A 19840306 - BARBESGAARD PEDER O [DK], et al
- GB 2075028 A 19811111 - NOVO INDUSTRI AS
- GB 2095275 A 19820929 - KAO CORP
- GB 1368599 A 19741002 - UNILEVER LTD
- DE 2247832 A1 19730405 - RIKAGAKU KENKYUSHO
- WO 9213057 A1 19920806 - 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]
- DE 2321001 A1 19731115 - PROCTER & GAMBLE
- US 3985669 A 19761012 - KRUMMEL H KARL, et al
- US 3128287 A 19640407 - BERG RUDOLPH G
- 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
- US 3159581 A 19641201 - DIEHL FRANCIS L
- US 3213030 A 19651019 - DIEHL FRANCIS L
- US 3422021 A 19690114 - ROY CLARENCE HENRY [US]
- US 3400148 A 19680903 - QUIMBY OSCAR T
- US 3422137 A 19690114 - QUIMBY OSCAR T
- US 3635830 A 19720118 - LAMBERTI VINCENT, et al
- GB 1243784 A 19710825 - NOVO TERAPEUTISK LABOR AS [DK]
- EP 0130756 A1 19850109 - GENENTECH INC [US]
- EP 87303761 A 19870428

Cited by

US11370998B2; EP0787174A4; US11859157B2; US11591550B2; US6565613B1; WO2020229535A1; WO0066696A1; WO9731097A1; WO2006037438A1; WO2023138837A1

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