

Title (en)
IMPROVED BUILDER-CONTAINING AQUEOUS CLEANER/DEGREASER MICROEMULSION COMPOSITIONS

Title (de)
VERBESSERTE GERÜSTSTOFFE ENTHALTENDE WÄSSRIGE REINIGUNGS-/ENTFETTUNGS-MIKROEMULSIONSZUSAMMENSETZUNGEN

Title (fr)
COMPOSITIONS PERFECTIONNEES DE MICRO-EMULSIONS AQUEUSES NETTOYANTES/DEGRAISSANTES RENFERMANT UN ADJUVANT

Publication
EP 0479888 B1 19961218 (EN)

Application
EP 90910985 A 19900612

Priority
• US 37391089 A 19890629
• US 9003317 W 19900612

Abstract (en)
[origin: WO9100337A1] Stable, aqueous cleaner/degreaser compositions formulated in the form of true microemulsions and containing a builder component comprise: (a) at least one sparingly water soluble organic solvent characterized by: (i) having a water solubility in the range of approximately 0.2 to approximately 6 weight percent; (ii) not being a hydrocarbon or halocarbon; (iii) having one or more similar or dissimilar oxygen, nitrogen, sulfur or phosphorus containing functional groups; (iv) being a solvent for hydrophobic soilants; and (v) being present in an amount exceeding its aqueous solubility; (b) a builder; (c) a solubilizing additive consisting of from approximately 0.1 to approximately 100 weight percent of a surfactant and from 0 to approximately 99.9 weight percent of a coupler, the solubilizing additive being present in an amount not substantially exceeding the amount required to transform the combination of the organic solvent and said builder from the form of a true macroemulsion to the form of a microemulsion and less than that required to form a true solution; and (d) water. Such compositions exhibit improved cleaning/degreasing efficacy over compositions containing no builder component.

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C11D 3/43

IPC 8 full level
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CPC (source: EP)
C11D 3/43 (2013.01); **C11D 17/0021** (2013.01)

Citation (examination)
• EP 0316726 A2 19890524 - COLGATE PALMOLIVE CO [US]
• EP 0328174 A2 19890816 - PROCTER & GAMBLE [US]
• EP 0337576 A2 19891018 - COLGATE PALMOLIVE CO [US]
• GB 2194547 A 19880309 - COLGATE PALMOLIVE CO
• US 4769172 A 19880906 - SIKLOSI MICHAEL P [US]

Cited by
US8420586B2; US8329630B2

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WO 9100337 A1 19910110; AT E146521 T1 19970115; AU 6031790 A 19910117; CA 2057027 A1 19901230; CA 2057027 C 19990406; DE 69029472 D1 19970130; DE 69029472 T2 19970703; DK 0479888 T3 19970609; EP 0479888 A1 19920415; EP 0479888 A4 19920603; EP 0479888 B1 19961218; ES 2100884 T3 19970701; JP 2671234 B2 19971029; JP H05500675 A 19930212

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