

Title (en)
Mixtures of gemini surfactants and fatty alcoholalkoxylates in rinse aids

Title (de)
Mischungen aus Geminitensiden und Fettalkoholalkoxylaten in Klarspülmitteln

Title (fr)
Mélanges de tensioactives geminis et alkoxylates d'alcool gras pour compositions de rincage

Publication
EP 1321511 A2 20030625 (DE)

Application
EP 02027460 A 20021210

Priority
DE 10162023 A 20011218

Abstract (en)
A clear rinse liquid comprises a 'gemini' surfactant (I) and alkoxylated fatty alcohol (II) at ratio 1:1 to 4:1, and optionally other standard ingredients.
A clear rinse liquid comprises a 'gemini' surfactant of formula (I) and alkoxylated fatty alcohol of formula (II) at ratio 1:1 to 4:1, and optionally other standard ingredients. R-CHOH-CH₂-(OCH₂CH₂)_x-OCH₂-CHOH-R (I) R₁-O-(CH₂(CH₃)CHO)_q(CH₂CH₂O)_r-H (II) R, R₁ = 4-22C linear or branched alkyl and/or alkenyl; x = 5-90; q = 0-10; and r = 1-50.

Abstract (de)
Die Erfindung betrifft Klarspülmittel enthaltend Mischungen aus Geminitensiden und Fettalkoholalkoxylaten, gegebenenfalls in Verbindung mit in Klarspülmittel üblichen Inhaltsstoffen, sowie die Verwendung dieser Mischungen zur Verbesserung des Netzverhaltens in Klarspülmitteln.

IPC 1-7
C11D 1/825; C11D 1/72; C11D 1/722

IPC 8 full level
C11D 1/72 (2006.01); **C11D 1/825** (2006.01); **C11D 1/722** (2006.01)

CPC (source: EP US)
C11D 1/72 (2013.01 - EP US); **C11D 1/8255** (2013.01 - EP US); **C11D 1/722** (2013.01 - EP US)

Cited by
EP1764408A1; EP1897933A1; CN111218288A; EP2267110A3; WO2009100855A3; US8148313B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)
EP 1321511 A2 20030625; EP 1321511 A3 20040107; DE 10162023 A1 20030703; US 2003119703 A1 20030626; US 6805141 B2 20041019

DOCDB simple family (application)
EP 02027460 A 20021210; DE 10162023 A 20011218; US 31744502 A 20021212