

Title (en)

Rinsing agents for use in mechanical dishwashing.

Title (de)

Klarspülmittel für die maschinelle Geschirreinigung.

Title (fr)

Produits de rinçage à utiliser pour le lavage machinal de la vaisselle.

Publication

EP 0095136 A2 19831130 (DE)

Application

EP 83104888 A 19830518

Priority

AT 208282 A 19820526

Abstract (en)

1. Low-foaming rinse aids for dishwashing machines based on a mixture of nonionic surfactants containing a proportion of highly ethoxylated alkyl phenols, characterized in that they contain as principal constituents a surfactant combination of A) an adduct of 10 to 50 and preferably 12 to 40 mol ethylene oxide with C6 -C12 alkyl phenols and B) an adduct of 5 to 50 and preferably 7 to 35 mol ethylene oxide with a reaction product of 1 mol aliphatic mono- or diamine and 30 to 150 and preferably 30 to 110 mol propylene oxide, the ratio by weight of A to B being from 1 : 3 to 1 : 12 and preferably from 1 : 4 to 1 : 9.

Abstract (de)

Schaumarme Klarspülmittel für die maschinelle Geschirreinigung mit Alkylphenolen + (12 - 40) E0 und einem (7 - 35)-E0-Addukt an Mono- oder Diamine + (30 - 150) P0 im Gewichtsverhältnis von 1 : 3 bis 1 : 12.

IPC 1-7

C11D 1/835; **C11D 1/44**

IPC 8 full level

C11D 1/44 (2006.01); **C11D 1/835** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)

C11D 1/44 (2013.01); **C11D 1/835** (2013.01); **C11D 3/0026** (2013.01); **C11D 1/72** (2013.01)

Cited by

US5691300A; WO9502666A1; WO0107398A1

Designated contracting state (EPC)

BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0095136 A2 19831130; **EP 0095136 A3 19861120**; **EP 0095136 B1 19881117**; AT 376236 B 19841025; AT A208282 A 19840315; DE 3378478 D1 19881222

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