

Title (en)

LIGHT DUTY LIQUID DETERGENT COMPOSITION

Publication

EP 0013585 B1 19821124 (EN)

Application

EP 80200017 A 19800108

Priority

US 292479 A 19790112

Abstract (en)

[origin: EP0013585A1] The present invention relates to a light duty, hand dishwashing, liquid composition comprising (a) an anionic surface active agent, a nonionic surface active agent, or mixtures thereof; (b) a copolymer of N-vinylpyrrolidone and dimethylamino-ethylmethacrylate having a molecular weight from about 40,000 to about 1,500,000, and (c) an alkali metal salt of casein. The compositions according to the invention possess drainage modification characteristics that produce rapid and uniform drainage of rinse water from washed utensils and apparatus without the disadvantage of spotting and filming.

IPC 1-7

C11D 3/37; C11D 1/83

IPC 8 full level

C11D 1/83 (2006.01); **C11D 3/37** (2006.01); **C11D 3/384** (2006.01); **C11D 17/00** (2006.01)

CPC (source: EP)

C11D 3/376 (2013.01); **C11D 3/384** (2013.01)

Cited by

US6827795B1; US7214650B2; EP0576778A1; EP0244647A3; EP0892039A1; EP0919610A1; US6903064B1; EP0982394A1; EP0125711A1; TR22299A; EP0859046A1; US4999129A; BE1003561A3; EP0077588A1; US4954292A; US7241729B2; WO0012661A1; WO0071660A1; WO9923194A1; WO2010088165A1; WO0071241A1; WO03002707A1; WO9903957A1; WO9410281A1; US6376631B1; US7939601B1; US6528476B1; US6718992B1; WO0071658A1; WO0071659A1; EP0079646B1; US6573234B1; US6333299B1; US8361239B2; US8575083B2; US6207631B1; US6369012B1; US6372708B1; WO9927058A1; WO9927057A1; KR100404534B1; US7335700B2; US6864314B1; US7915212B2; US8492481B2; US9044413B2

Designated contracting state (EPC)

AT BE CH DE FR GB IT NL

DOCDB simple family (publication)

EP 0013585 A1 19800723; EP 0013585 B1 19821124; AR 221396 A1 19810130; AT E1864 T1 19821215; AU 528923 B2 19830519; AU 5452980 A 19800717; BR 8000109 A 19800923; CA 1117843 A 19820209; DE 3061116 D1 19821230; JP S5598298 A 19800726; JP S6111280 B2 19860402; NZ 192549 A 19811119; PH 18064 A 19850318; ZA 80139 B 19810826

DOCDB simple family (application)

EP 80200017 A 19800108; AR 27960280 A 19800111; AT 80200017 T 19800108; AU 5452980 A 19800110; BR 8000109 A 19800109; CA 343645 A 19800111; DE 3061116 T 19800108; JP 143980 A 19800111; NZ 19254979 A 19790112; PH 23503 A 19800111; ZA 80139 A 19800110