

Title (en)
LIQUID DETERGENT COMPOSITION

Publication
EP 0034039 B1 19840926 (EN)

Application
EP 81300459 A 19810204

Priority
• US 11870580 A 19800205
• US 23014381 A 19810130

Abstract (en)
[origin: EP0034039A1] Aqueous liquid dishwashing detergent compositions are prepared containing from 10% to 50% of an anionic surfactant, from 2% to 20% of a relatively highly ethoxylated draining promoting nonionic surfactant, from 1.5% to 10% of a suds stabilizing nonionic surfactant, and from 20% to 88% water. The compositions exhibit advantages of less filming and spotting for tableware washed in dilute solutions of the compositions after rinsing and drain drying.

IPC 1-7
C11D 1/83; C11D 1/72; C11D 1/75; C11D 3/32

IPC 8 full level
C11D 1/72 (2006.01); **C11D 1/83** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/52** (2006.01); **C11D 1/74** (2006.01); **C11D 1/75** (2006.01)

CPC (source: EP)
C11D 1/72 (2013.01); **C11D 1/83** (2013.01); **C11D 3/0094** (2013.01); **C11D 1/146** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/523** (2013.01); **C11D 1/74** (2013.01); **C11D 1/75** (2013.01)

Citation (examination)
• US 3963649 A 19760615 - SPADINI GIANFRANCO LUIGI, et al
• US 4144201 A 19790313 - WINTERBOTHAM PETER, et al
• DE 2536107 A1 19770224 - HOECHST AG
• DE 2424856 A1 19750430 - COLGATE PALMOLIVE CO

Cited by
EP0105556A1; EP0068520A3; US5474713A; DE19635554A1; DE19635554C2; EP0561103A1; US4482470A; US7871971B1; WO9731089A1; WO0027987A1; EP0059043B1; EP0088612B1

Designated contracting state (EPC)
BE DE FR GB IT NL

DOCDB simple family (publication)
EP 0034039 A1 19810819; **EP 0034039 B1 19840926**; DE 3166233 D1 19841031

DOCDB simple family (application)
EP 81300459 A 19810204; DE 3166233 T 19810204