

Title (en)
Liquid detergent

Title (de)
Flüssigwaschmittel

Title (fr)
Détergent liquide

Publication
EP 0394998 B1 19960327 (DE)

Application
EP 90107835 A 19900425

Priority
CH 163089 A 19890428

Abstract (en)
[origin: EP0394998A2] Liquid detergents containing specifically disulphonated dibenzofuranylbiphenyls of the formula <IMAGE> in which X is a sulphononic acid radical, hydrogen or C1-C4-alkyl, Y and Z are, independently of one another, a sulphononic acid radical, hydrogen, C1-C4-alkoxy, halogen, CN, phenoxy, benzyloxy, with the condition that either X or Y or Z is a sulphononic acid radical, and the remaining substituents are not a sulphononic acid radical, the preparation and use thereof are described; these detergents prevent the formation of pale spots on textile fabric when the latter comes directly into contact with the liquid detergent.

IPC 1-7
C11D 3/42

IPC 8 full level
C09B 57/00 (2006.01); **C11D 3/42** (2006.01)

CPC (source: EP)
C11D 3/42 (2013.01)

Citation (examination)
EP 0364027 A2 19900418 - UNILEVER NV [NL], et al

Cited by
US5604194A; EP0548019A3; DE19859575B4; EP0601967A1; US5468884A; EP0672099A4; WO9411485A1

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

DOCDB simple family (publication)
EP 0394998 A2 19901031; EP 0394998 A3 19910109; EP 0394998 B1 19960327; AU 5453690 A 19901101; AU 628539 B2 19920917; CA 2015565 A1 19901028; DE 59010228 D1 19960502; ES 2085296 T3 19960601; JP 2685329 B2 19971203; JP H02302498 A 19901214; NZ 233443 A 19920428

DOCDB simple family (application)
EP 90107835 A 19900425; AU 5453690 A 19900427; CA 2015565 A 19900426; DE 59010228 T 19900425; ES 90107835 T 19900425; JP 11502190 A 19900427; NZ 23344390 A 19900426