

Title (en)
LIQUID DETERGENT

Publication
EP 0302340 A3 19891018 (DE)

Application
EP 88111936 A 19880725

Priority
DE 3726266 A 19870807

Abstract (en)
[origin: US4946628A] Liquid detergents which contain stilbene compounds of the formula <IMAGE> (I) <IMAGE> as whiteners in which A denotes <IMAGE> B denotes O, NH, NY or NH(CH₂)_n R denotes H, C1-C4-alkoxy, C1-C4-O-alkoxy, F, Cl, CF₃ or OCF₃ X1 denotes C4-C12-alkyl or C5-C7-cycloalkyl X2 denotes H or C1-C12-alkyl Q denotes -O-, -CH₂-, -CH₂CH₂- or denotes a direct bond, Y denotes C1-C4-alkyl Z denotes R n denotes 1, 2 or 3 with the proviso that, if Z is H and B is NH, R is not H, are distinguished by improved "spotting".

IPC 1-7
C11D 3/42

IPC 8 full level
C11D 3/42 (2006.01); **C11D 17/08** (2006.01); **D06L 3/12** (2006.01)

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

Citation (search report)
• [X] EP 0021752 A1 19810107 - JOHNSON & SON INC S C [US]
• [Y] US 3632491 A 19720104 - ZUSSMAN HYMAN WILLIAM, et al

Cited by
EP0385374A1; EP0314630A3

Designated contracting state (EPC)
CH DE FR GB LI

DOCDB simple family (publication)
EP 0302340 A2 19890208; EP 0302340 A3 19891018; EP 0302340 B1 19921111; DE 3726266 A1 19890223; DE 3875843 D1 19921217; JP S6462400 A 19890308; US 4946628 A 19900807

DOCDB simple family (application)
EP 88111936 A 19880725; DE 3726266 A 19870807; DE 3875843 T 19880725; JP 19471188 A 19880805; US 21968588 A 19880715