

Title (en)
Improved detergent compositions.

Title (de)
Waschmittelzusammensetzungen.

Title (fr)
Compositions détergentes.

Publication
EP 0388389 A2 19900919 (EN)

Application
EP 90870041 A 19900315

Priority
GB 8906089 A 19890316

Abstract (en)
A detergent composition which is a bleach-free, under-built composition containing at least one surfactant and having a sequestration value such that an aqueous solution containing 7000 ppm of the detergent composition sequesters a maximum of 30 mg CaO per gram of detergent composition at 20 DEG C, is characterised in that the composition contains a hydroxamic acid or a salt thereof, the hydroxamic acid having the formula R- @-@@R min where R represents an optionally substituted straight- or branched chain C5-21 alkyl or C5-21 alkenyl group or an optionally-substituted phenyl group, and R min represents hydrogen, an optionally substituted C1-6 alkyl group, or an optionally-substituted phenyl group, but with the limitation that the hydroxamic acid has a hydrophile-lipophile balance (HLB) within the same range as the range of HLB's of hydroxamic acids of the above formula wherein R is an unsubstituted C5-21 alkyl group and R min is hydrogen or an unsubstituted C1-6 alkyl group. Typical hydroxamic acids are dodecanohydroxamic acid and N-methyl dodecanohydroxamic acid.

IPC 1-7
C11D 1/52; **C11D 1/83**; **C11D 3/26**; **C11D 3/32**; **C11D 3/386**

IPC 8 full level
C11D 1/52 (2006.01); **C11D 1/83** (2006.01); **C11D 3/32** (2006.01); **C11D 10/04** (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/29** (2006.01); **C11D 1/66** (2006.01)

CPC (source: EP)
C11D 1/52 (2013.01); **C11D 1/83** (2013.01); **C11D 3/32** (2013.01); **C11D 10/04** (2013.01); **C11D 1/146** (2013.01); **C11D 1/22** (2013.01); **C11D 1/29** (2013.01); **C11D 1/66** (2013.01)

Cited by
WO2011151170A1; WO2012156250A1; WO2011154225A1; WO2012062566A1; WO2012126801A1; CN102918142A; CN103517975A; AU2009327141B2; EP2441823A1; EP2963102A3; EP2522714A1; EP2522715A1; US9062281B2; US9273271B2; WO2014072214A1; WO2010069957A1; US9290724B2; DE102011082377A1; WO2013034423A1; US9587045B2; US9290725B2; US9284517B2; US9290723B2; US9365811B2; WO9855574A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0388389 A2 19900919; **EP 0388389 A3 19910814**; GB 8906089 D0 19890426; ZA 902000 B 19910227

DOCDB simple family (application)
EP 90870041 A 19900315; GB 8906089 A 19890316; ZA 902000 A 19900315