

Title (en)
HARD SURFACE ACID CLEANER

Publication
EP 0131394 B1 19880217 (EN)

Application
EP 84303999 A 19840613

Priority
US 51210083 A 19830707

Abstract (en)
[origin: EP0131394A2] Hard surface acid cleaners providing fast acting and effective cleaning results across a wide variety of problematic cleaning areas, comprise alkyl aryl sulfonic acids and at least 50.0% by weight of water. Suitable alkyl aryl sulfonic acids are alkyl benzene sulfonic acids of the general structure <CHEM> wherein R is alkyl averaging 5 to 20 carbon atoms in length and <CHEM> wherein R1 and R2 are H or alkyl averaging 5 to 20 carbon atoms; and when R1 is alkyl, R2 is H. Additionally, solvents, antimicrobial compounds, defoamers, thickeners and other cleaning adjuvants may be added to these hard surface acid cleaners.

IPC 1-7
C11D 1/22; **C11D 1/24**; **C11D 3/43**

IPC 8 full level
C11D 1/12 (2006.01); **C11D 1/22** (2006.01); **C11D 1/24** (2006.01); **C11D 3/20** (2006.01); **C11D 3/43** (2006.01)

CPC (source: EP)
C11D 1/22 (2013.01); **C11D 1/24** (2013.01); **C11D 3/43** (2013.01)

Cited by
US2014271762A1; US4895669A; US5000867A; EP0623669A3; DE3637711A1; US4781854A; US5389284A; US6528013B1; WO9955815A1; WO9955814A1; WO9856429A1; WO9955813A1; US6767507B1; WO0030691A1

Designated contracting state (EPC)
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