

Title (en)
Liquid cleaning agent.

Title (de)
Flüssiges Reinigungsmittel.

Title (fr)
Agent de nettoyage liquide.

Publication
EP 0172534 A2 19860226 (DE)

Application
EP 85110252 A 19850816

Priority
DE 3431003 A 19840823

Abstract (en)
[origin: US4666615A] A composition of matter, preferably a liquid cleaning preparation for hard surfaces, comprising from 1 to 30, preferably 2 to 30, parts by weight of: (a) adducts of ethylene oxide, preferably from 3 to 20 moles, with aliphatic hydroxyamines, preferably vicinal internal or terminal hydroxyamines, having a linear alkyl chain (C10-20) and containing from 1 to 4 carbon atoms in the alkylamine residue; and (b) linear alkylaryl, preferably alkylbenzene, sulfonates or alkane sulfonates wherein (a) and (b) are in a ratio of from 1:1 to 1:18. The liquid preparation may contain water and other suitable cleaning ingredients.

Abstract (de)
Synergistisch wirkende Kombination aus Addukten von 3 bis 20 Mol Ethylenoxid an aliphatische vicinale, innen- oder endständige Hydroxyamine mit linearer Alkylkette (C10-C20) und 1 bis 4 C-Atomen im Alkylaminrest und linearen Alkylbenzolsulfonaten oder Alkansulfonaten (C8-C20) im Mengenverhältnis von 1 : 1 bis 1 : 15.

IPC 1-7
C11D 1/44; C11D 3/30

IPC 8 full level
C11D 1/12 (2006.01); **C11D 1/14** (2006.01); **C11D 1/22** (2006.01); **C11D 1/44** (2006.01); **C11D 1/65** (2006.01); **C11D 1/72** (2006.01); **C11D 1/83** (2006.01)

CPC (source: EP US)
C11D 1/143 (2013.01 - EP US); **C11D 1/22** (2013.01 - EP US); **C11D 1/44** (2013.01 - EP US); **C11D 1/65** (2013.01 - EP US); **C11D 1/14** (2013.01 - EP US)

Cited by
US4853146A; WO9527768A1

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

DOCDB simple family (publication)
EP 0172534 A2 19860226; EP 0172534 A3 19890726; CA 1276517 C 19901120; DE 3431003 A1 19860306; JP S6160795 A 19860328; US 4666615 A 19870519

DOCDB simple family (application)
EP 85110252 A 19850816; CA 489030 A 19850820; DE 3431003 A 19840823; JP 18195085 A 19850821; US 76661085 A 19850816