

Title (en)  
Cleaning concentrates and method of preparation

Title (de)  
Reinigungskonzentrate und Verfahren zur Herstellung

Title (fr)  
Concentrés nettoyant et procédé de préparation

Publication  
**EP 0774507 A3 19980715 (EN)**

Application  
**EP 96308315 A 19961118**

Priority  
US 697195 P 19951120

Abstract (en)  
[origin: EP0774507A2] Stable aqueous cleaning concentrate compositions containing high concentrations of alkali and polymers useful as scale-inhibiting cleaning additives are disclosed. Water-soluble polymer additives useful for preparing the stable cleaning concentrates include terpolymers of acrylic acid, maleic acid and vinyl acetate. The storage-stable cleaning concentrates are especially useful in providing cleaning formulations for automatic washing systems, such as bottle washing and clean-in-place operations.

IPC 1-7  
**C11D 3/37**; **C11D 7/06**

IPC 8 full level  
**C11D 3/37** (2006.01); **C11D 7/06** (2006.01); **C11D 7/60** (2006.01); **C11D 11/00** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)  
**C11D 3/3765** (2013.01); **C11D 7/06** (2013.01)

Citation (search report)  
[X] EP 0625567 A2 19941123 - HUELS CHEMISCHE WERKE AG [DE]

Cited by  
WO2013142457A1

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

DOCDB simple family (publication)  
**EP 0774507 A2 19970521**; **EP 0774507 A3 19980715**; BR 9605620 A 19980818; CA 2190230 A1 19970521; JP H09279191 A 19971028; MX 9605582 A 19980531; ZA 969563 B 19970623

DOCDB simple family (application)  
**EP 96308315 A 19961118**; BR 9605620 A 19961119; CA 2190230 A 19961113; JP 32334096 A 19961120; MX 9605582 A 19961114; ZA 969563 A 19961114