

Title (en)  
LIQUID DETERGENTS

Publication  
**EP 0328177 A3 19900704 (EN)**

Application  
**EP 89200163 A 19890126**

Priority  
GB 8803036 A 19880210

Abstract (en)  
[origin: EP0328177A2] Improved flexibility in incorporation of soluble salts in structured aqueous liquid detergents is provided by incorporating a surfactant with a salting-out resistance greater than or equal to 6.4 and which has an average alkyl chain length greater than 6 C-atoms provided that the liquid yields substantially no clear liquid active rich layer upon centrifuging at 750G for 20 hours at 25 DEG C. The salting-out resistance is the minimum amount in grams equivalent of trisodium nitrilotriacetate added to 1 litre of a 5% aqueous solution of the surfactant at room temperature, to achieve phase separation as evidenced by cloudiness.

IPC 1-7  
**C11D 17/00**

IPC 8 full level  
**C11D 1/24** (2006.01); **C11D 1/28** (2006.01); **C11D 1/34** (2006.01); **C11D 1/68** (2006.01); **C11D 1/83** (2006.01); **C11D 17/00** (2006.01); **C11D 17/08** (2006.01)

CPC (source: EP)  
**C11D 17/0026** (2013.01)

Citation (search report)  
• [A] EP 0154362 A1 19850911 - UNILEVER NV [NL], et al  
• [A] EP 0080221 A1 19830601 - UNILEVER NV [NL], et al

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Designated contracting state (EPC)  
CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0328177 A2 19890816; EP 0328177 A3 19900704; EP 0328177 B1 19940803;** AU 2967589 A 19890810; AU 606501 B2 19910207; BR 8900560 A 19891010; CA 1311398 C 19921215; DE 68917167 D1 19940908; DE 68917167 T2 19941124; ES 2057087 T3 19941016; GB 8803036 D0 19880309; JP H01268800 A 19891026; JP H06102795 B2 19941214; ZA 891064 B 19901031

DOCDB simple family (application)  
**EP 89200163 A 19890126;** AU 2967589 A 19890206; BR 8900560 A 19890209; CA 590211 A 19890206; DE 68917167 T 19890126; ES 89200163 T 19890126; GB 8803036 A 19880210; JP 3255689 A 19890210; ZA 891064 A 19890210