

Title (en)  
LIQUID DETERGENT CONTAINING PERBORATE BLEACH

Publication  
**EP 0294904 A3 19890614 (EN)**

Application  
**EP 88201175 A 19880608**

Priority  
GB 8713756 A 19870612

Abstract (en)  
[origin: EP0294904A2] Stable, bleach-containing liquid detergents are prepared, by in situ crystallization of a perborate bleach. The crystallization may be carried out by converting perborate monohydrate to perborate tetrahydrate, or by converting a borate to a perborate.

IPC 1-7  
**C11D 3/39**

IPC 8 full level  
**C11D 3/395** (2006.01); **C11D 3/39** (2006.01); **C11D 17/08** (2006.01); **D06L 1/12** (2006.01); **D06L 3/02** (2006.01)

CPC (source: EP KR)  
**C11D 3/3942** (2013.01 - EP); **C11D 3/3947** (2013.01 - EP); **C11D 3/395** (2013.01 - KR)

Citation (search report)  
• [A] FR 2562557 A1 19851011 - COLGATE PALMOLIVE CO [US]  
• [A] GB 2173224 A 19861008 - COLGATE PALMOLIVE CO

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Designated contracting state (EPC)  
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**EP 0294904 A2 19881214; EP 0294904 A3 19890614; EP 0294904 B1 19940817;** AU 1756088 A 19881215; AU 624328 B2 19920611; CA 1307714 C 19920922; CN 1026013 C 19940928; CN 1030605 A 19890125; DE 3851096 D1 19940922; DE 3851096 T2 19950406; DK 318088 A 19881213; DK 318088 D0 19880610; EG 18526 A 19930430; FI 882782 A0 19880610; FI 882782 A 19881213; FI 90786 B 19931215; FI 90786 C 19940325; GB 8713756 D0 19870715; JP 2505537 B2 19960612; JP S6465200 A 19890310; KR 890000653 A 19890316; KR 950013921 B1 19951118; MX 169404 B 19930701; MY 103581 A 19930828; NZ 224980 A 19910129; PH 25774 A 19911018; PT 87722 A 19880701; PT 87722 B 19921030

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