

Title (en)  
DETERGENT COMPOSITIONS

Title (de)  
WASCHMITTELZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITIONS DETERGENTES

Publication  
**EP 0842247 A4 20010816 (EN)**

Application  
**EP 96923551 A 19960703**

Priority  
• GB 9513956 A 19950708  
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• US 9611105 W 19960703

Abstract (en)  
[origin: GB2303145A] There is provided a detergent composition suitable for use in laundry and dish washing methods comprising (a) a cationic ester surfactant; and (b) an amylolytic enzyme present at a level of from 0.05% to 5.0% by weight of said detergent composition, on a 120KNU/g activity basis. The cationic surfactant is preferably a quaternary ammonium compound where one of the alkyl chains is interrupted by an ester-type linkage.

IPC 1-7  
**C11D 1/62**; **C11D 3/386**

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
• [X] EP 0633311 A1 19950111 - PROCTER & GAMBLE [US]  
• [X] WO 9316158 A1 19930819 - PROCTER & GAMBLE [US]  
• [X] EP 0495554 A1 19920722 - PROCTER & GAMBLE [US]  
• [A] US 4239660 A 19801216 - KINGRY GARY W [JP]  
• [A] DE 2025944 A1 19711209  
• See references of WO 9703160A1

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DOCDB simple family (publication)  
**GB 2303145 A 19970212**; **GB 9611323 D0 19960807**; AR 002786 A1 19980429; BR 9609585 A 19990504; CA 2226620 A1 19970130; EP 0842247 A1 19980520; EP 0842247 A4 20010816; MX 9800271 A 19980430; WO 9703160 A1 19970130

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