

Title (en)  
Enzymatic liquid detergent compositions.

Title (de)  
Flüssige enzymatische Detergensenzusammensetzungen.

Title (fr)  
Compositions détergentes liquides enzymatiques.

Publication  
**EP 0376705 A1 19900704 (EN)**

Application  
**EP 89313624 A 19891227**

Priority  
US 29229888 A 19881230

Abstract (en)  
The invention pertains to enzymatic liquid detergent compositions in which the enzymes comprise a mixture of lipolytic enzymes and proteolytic enzymes. The storage stability of lipolytic enzymes in these proteolytic enzymes containing liquid detergent compositions is enhanced therein by the inclusion of a lower aliphatic alcohol such as ethanol and a salt of a lower carboxylic acid such as sodium formate and by providing for a detergent-surfactant system therein which predominantly consists of a nonionic detergent. The lipases are fungal lipases ex *Humicola lanuginosa* or *Thermomyces lanuginosus*. The proteolytic enzymes are preferably of the subtilisin type.

IPC 1-7  
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IPC 8 full level  
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CPC (source: EP)  
**C11D 3/38663** (2013.01)

Citation (search report)  
• [YD] EP 0028866 A1 19810520 - PROCTER & GAMBLE [US]  
• [YD] EP 0258068 A2 19880302 - NOVO INDUSTRI AS [DK]

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