

Title (en)

Structured liquid detergent compositions containing subtilisin mutants.

Title (de)

Subtilisinmutanten enthaltende strukturierte Flüssigwaschmittelzusammensetzungen.

Title (fr)

Compositions détergentes liquides structurées contenant des mutants de subtilisine.

Publication

EP 0471410 A2 19920219 (EN)

Application

EP 91202036 A 19910807

Priority

US 56758990 A 19900815

Abstract (en)

The subject invention relates to mutant subtilisin proteases having substitution in at least 1 amino acid residue and to their use in structured detergent compositions in view of the enhanced stability they provide. In one embodiment of the invention, the enhanced enzyme stability in structured liquids comprising a decoupling polymer is shown and in a second embodiment, the enhanced stability of the mutant enzyme in a structured liquid comprising perborate is shown. None of these effects would have been predicted in advance. <IMAGE>

IPC 1-7

C11D 3/37; **C11D 3/386**; **C11D 3/39**; **C11D 17/00**

IPC 8 full level

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CPC (source: EP)

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Cited by

US5750489A; US5820637A; EP3083925A4; CN108085170A; WO9321299A1; WO9300418A1

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