

Title (en)  
ENZYME STABILIZERS

Title (de)  
ENZYMSTABILISATOREN

Title (fr)  
STABILISATEURS D'ENZYMES

Publication  
**EP 3380598 B1 20190821 (DE)**

Application  
**EP 16795075 A 20161115**

Priority  

- DE 102015223268 A 20151125
- EP 2016077625 W 20161115

Abstract (en)  
[origin: WO2017089161A1] The present invention relates to detergents and cleaning agents containing at least one protease and at least one organic compound of formula (I) which acts as a protease inhibitor and is thus a suitable enzyme stabilizer, and to the use of said compounds as an enzyme stabilizer in protease-containing detergents and cleaning agents. The invention also relates to the corresponding washing and cleaning methods and to the use of the agents described herein.

IPC 8 full level  
**C11D 3/34** (2006.01); **C11D 3/386** (2006.01)

CPC (source: EP US)  
**C11D 3/349** (2013.01 - EP US); **C11D 3/38663** (2013.01 - EP US); **C11D 2111/12** (2024.01 - US); **C11D 2111/14** (2024.01 - US)

Citation (opposition)

Opponent : Reckitt Benckiser Vanish B.V.  

- EP 0446982 A2 19910918 - UNILEVER NV [NL], et al
- CL 1991000247 A
- ANONYMOUS: "Enzymes for laundry detergents and cleaning", BTC CHEMICAL DISTRIBUTION, 4 May 2020 (2020-05-04), pages 1 - 5, XP055704470
- ANONYMOUS: "Novoyzmes protease products", STREM CHEMICALS, INC, pages 1 - 5
- ANONYMOUS: "First protease containing surf formulation unilever US 1986", FRAMES FORMULATION INTELLIGENCE - PROJECT REPORT, 16 March 2020 (2020-03-16), pages 1 - 2, XP055704152

Designated contracting state (EPC)

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DOCDB simple family (publication)

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