

Title (en)

METHOD FOR ADAPTING A HYDROLYTIC ENZYME TO A COMPONENT THAT STABILIZES THE HYDROLYTIC ENZYME

Title (de)

VERFAHREN ZUR ANPASSUNG EINES HYDROLYTISCHEN ENZYMS AN EINE DAS HYDROLYTISCHE ENZYM STABILISIERENDE KOMPONENTE

Title (fr)

PROCÉDÉ D'ADAPTATION D'UNE ENZYME HYDROLYTIQUE À UN CONSTITUANT STABILISANT LADITE ENZYME HYDROLYTIQUE

Publication

EP 2756064 A2 20140723 (DE)

Application

EP 12755969 A 20120821

Priority

- DE 102011118027 A 20110912
- EP 2012066237 W 20120821

Abstract (en)

[origin: WO2013037609A2] The stabilization of a hydrolytic enzyme in a liquid preparation is to be improved through a component that stabilizes the hydrolytic enzyme. This is accomplished by a method for adapting a hydrolytic enzyme to a component that stabilizes the hydrolytic enzyme, comprising the following method steps: a) providing a hydrolytic enzyme (starting enzyme) and a component that stabilizes the hydrolytic enzyme and that comprises a reversible inhibitor of the hydrolytic enzyme; b) changing the amino acid sequence of the hydrolytic enzyme in at least one position, by substitution, deletion or insertion; c) determining the relative activity of the hydrolytic enzyme from step b) and the relative activity of the starting enzyme in a liquid preparation; d) selecting the hydrolytic enzyme that has a reduced relative activity by comparison with the relative activity of the starting enzyme.

IPC 8 full level

C11D 3/386 (2006.01); **C12N 9/54** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2013037609A2

Citation (examination)

WO 2008002472 A2 20080103 - DANISCO US INC GENENCOR DIV [US], et al

Designated contracting state (EPC)

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