

Title (en)  
STABILIZED LIQUID ENZYME-CONTAINING SURFACTANT PREPARATION

Title (de)  
STABILISIERTE FLÜSSIGE ENZYMHALTIGE TENSIDZUBEREITUNG

Title (fr)  
PRÉPARATION TENSIOACTIVE LIQUIDE STABILISÉE CONTENANT UNE ENZYME

Publication  
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Application  
**EP 11736317 A 20110712**

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Abstract (en)  
[origin: WO2012019844A2] The invention relates to the stabilization of a hydrolytic enzyme in a liquid surfactant preparation. Said aim is achieved by using a component which comprises a monosaccharide glycerate and which stabilizes the hydrolytic enzyme.

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**C11D 3/221** (2013.01 - EP US); **C11D 3/38663** (2013.01 - EP US)

Citation (search report)  
See references of WO 2012019844A2

Citation (examination)  
• WO 2004094631 A1 20041104 - INST DE BIOLOG EXPERIMENTALE E [PT], et al  
• WO 0158446 A1 20010816 - BITOP GMBH [DE], et al  
• THORNTHAN SAWANGWAN ET AL: "Glucosylglycerol and glucosylglycerate as enzyme stabilizers", BIOTECHNOLOGY JOURNAL, vol. 5, no. 2, 27 February 2010 (2010-02-27), DE, pages 187 - 191, XP055394050, ISSN: 1860-6768, DOI: 10.1002/biot.200900197

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**DE 102010038496 A 20100727**; EP 11736317 A 20110712; EP 2011061796 W 20110712; US 201313749920 A 20130125