

Title (en)

METHOD FOR COVALENT IMMOBILIZATION OF ENZYMES ON FUNCTIONALIZED SOLID POLYMERIC SUPPORTS

Title (de)

VERFAHREN ZUR KOVALENTEN IMMOBILISIERUNG VON ENZYMEN AUF FUNKTIONALISIERTEN FESTEN POLYMERTRÄGERN

Title (fr)

PROCÉDÉ POUR L'IMMOBILISATION COVALENTE D'ENZYMES SUR DES SUPPORTS POLYMÈRES SOLIDES FONCTIONNALISÉS

Publication

EP 2655611 A1 20131030 (EN)

Application

EP 11811024 A 20111222

Priority

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Abstract (en)

[origin: WO2012085206A1] It is herein described a method of immobilization of enzymes, in particular enzymes that are active at the interface with hydrophobic phases as lipases, on porous solid polymeric supports, in which there is formation of a stable covalent bond between the support and the enzyme and in which a hydrophobic "interface" forms around the solid support that allows the enzyme, dissolved in a minimum aqueous phase, to pass from the closed/inactive conformation (which prevails when the enzyme is in aqueous phase) to the open/activated conformation (which prevails when the enzyme comes into contact with a hydrophobic phase) and to adopt an optimum orientation, turning the opening of the hydrophobic active site towards the hydrophobic organic phase.

IPC 8 full level

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