

Title (en)
PROCESS FOR ENZYMATICALLY TREATING SUBSTRATES.

Title (de)
VERFAHREN ZUR ENZYMATISCHEN BEHANDLUNG VON SUBSTRATEN.

Title (fr)
PROCEDE DE TRAITEMENT ENZYMATIQUE DE SUBSTRATS.

Publication
EP 0464184 A1 19920108 (DE)

Application
EP 91903190 A 19910118

Priority

- DE 4001508 A 19900119
- DE 4002636 A 19900130

Abstract (en)
[origin: WO9110910A2] In order to treat a substrate with enzymes, the substrate to be treated is brought into contact with a biocatalyzer obtained by combining a gene that codes for a biologically active substance and a fragment of DNA that codes for a binding peptide capable of interacting with a supporting base, to produce a fusion protein. The fusion protein is inserted in an appropriate vector, transformed in an appropriate organism, the organism is cultivated, its cells are dissolved and the lysate containing the fusion protein is brought into contact with a supporting base capable of binding with the binding peptide. The fusion protein is bound to the supporting base by intermolecular interaction, and the enzymatically treated substrate is thus finally obtained.

Abstract (fr)
Afin de soumettre des substrats à un traitement enzymatique, on met le substrat à traiter en contact avec un biocatalyseur obtenu en combinant un gène de codage pour une substance biologiquement active avec un fragment d'ADN de codage d'un peptide de liaison capable d'interaction avec un matériau de support, de manière à obtenir une protéine de fusion. On insère ensuite celle-ci dans un vecteur approprié, on la transforme dans un organisme approprié, on met en culture ledit organisme, on en dissout les cellules et on met le lysat contenant la protéine de fusion en contact avec un matériau de support capable de se lier au peptide de liaison. La protéine de fusion se lie au matériau de support par interaction intermoléculaire, ce qui permet d'obtenir le substrat enzymatiquement traité.

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G01N 33/531 (2006.01); **C07K 14/16** (2006.01); **C12N 11/06** (2006.01); **C12N 15/09** (2006.01); **C12N 15/62** (2006.01); **G01N 33/535** (2006.01); **G01N 33/543** (2006.01); **G01N 33/569** (2006.01)

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See references of WO 9110910A2

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