

Title (en)  
PROCESS FOR THE PREPARATION OF A WATER-INSOLUBLE ENZYME COMPOSITION

Publication  
**EP 0000028 B1 19810422 (DE)**

Application  
**EP 78100045 A 19780601**

Priority  
DE 2726188 A 19770610

Abstract (en)  
[origin: US4230803A] Enzymes are covalently bonded to porous inorganic supports by a process wherein maximum activity of enzyme in the water-insoluble enzyme composition is achieved with the lowest possible amount of enzyme. The process involves selecting an inorganic carrier having a most frequent pore-diameter that results in highest enzymatic activity possible per weight unit of the insoluble enzyme composition at the given enzyme concentration within the insoluble enzyme composition, and contacting the selected inorganic carrier with an enzyme solution containing an amount of enzyme which is sufficiently low so that the enzyme in the insoluble enzyme composition has a specific activity which is substantially the same as that of the enzyme in solution in the free state.

IPC 1-7  
**C12N 11/14**; **C12N 9/02**; **C12N 9/92**

IPC 8 full level  
**C12N 9/02** (2006.01); **C12N 9/92** (2006.01); **C12N 11/14** (2006.01)

CPC (source: EP US)  
**C12N 11/14** (2013.01 - EP US)

Cited by  
FR2525629A1; EP0158909A3; EP0152036A3; FR2393810A1; EP0081185A1

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DOCDB simple family (publication)  
**US 4230803 A 19801028**; AR 222972 A1 19810715; AU 3692678 A 19791213; AU 517551 B2 19810806; BE 868020 A 19781211; BG 28720 A3 19800616; CA 1100066 A 19810428; CS 216234 B2 19821029; DD 135495 A5 19790509; DE 2726188 B1 19780831; DE 2726188 C2 19790510; DE 2860632 D1 19810730; DK 149757 B 19860922; DK 149757 C 19870302; DK 257678 A 19781211; EP 0000028 A1 19781220; EP 0000028 B1 19810422; ES 470069 A1 19790101; FI 62139 B 19820730; FI 62139 C 19821110; FI 781821 A 19781211; FR 2393810 A1 19790105; GB 1600339 A 19811014; HU 179727 B 19821129; IT 1094879 B 19850810; IT 7823967 A0 19780530; JP S548789 A 19790123; JP S6133557 B2 19860802; NL 7805996 A 19781212; PL 126637 B1 19830831; PL 207511 A1 19790507; RO 74644 A 19801030; SE 7806679 L 19781211; YU 137078 A 19830228

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**US 91122778 A 19780531**; AR 27234978 A 19780529; AU 3692678 A 19780608; BE 6046498 A 19780609; BG 3964478 A 19780505; CA 305057 A 19780608; CS 370778 A 19780607; DD 20588678 A 19780608; DE 2726188 A 19770610; DE 2860632 T 19780601; DK 257678 A 19780609; EP 78100045 A 19780601; ES 470069 A 19780522; FI 781821 A 19780607; FR 7816697 A 19780605; GB 2451078 A 19780530; HU KA001505 A 19780605; IT 2396778 A 19780530; JP 6973078 A 19780609; NL 7805996 A 19780601; PL 20751178 A 19780609; RO 9426578 A 19780605; SE 7806679 A 19780608; YU 137078 A 19780608