

Title (en)

STABLE BIOCATALYSTS FOR ESTER HYDROLYSIS

Title (de)

STABILE BIOKATALYSATOREN FÜR DIE ESTERHYDROLYSE

Title (fr)

BIOCATALYSEURS STABLES POUR L'HYDROLYSE D'ESTERS

Publication

EP 0952847 A4 20030903 (EN)

Application

EP 96929678 A 19960802

Priority

- US 9613065 W 19960802
- US 970496 P 19960111
- US 1958096 P 19960612

Abstract (en)

[origin: WO9725058A1] The instant invention encompasses isolated stable esterase enzymes characterized by the ability to remain stable at certain temperatures, substrate specificities, and activity profile.

IPC 1-7

C12N 9/16; **C12Q 1/44**; **G01N 33/53**; **A61K 38/46**

IPC 8 full level

C12N 1/15 (2006.01); **C12N 1/19** (2006.01); **C12N 1/21** (2006.01); **C12N 5/10** (2006.01); **C12N 9/18** (2006.01); **C12N 9/20** (2006.01); **C12N 15/09** (2006.01); **C12Q 1/44** (2006.01)

CPC (source: EP)

C12N 9/18 (2013.01)

Citation (search report)

- [PX] WO 9602653 A1 19960201 - NOVO NORDISK BIOTECH INC [US]
- [X] HUDDLESTON S ET AL: "The identification and partial characterisation of a novel inducible extracellular thermostable esterase from the archaeon *Sulfolobus shibatae*", BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, ACADEMIC PRESS INC. ORLANDO, FL, US, vol. 216, no. 2, 1995, pages 495 - 500, XP002138594, ISSN: 0006-291X
- [X] DATABASE WPI Section Ch Week 199420, Derwent World Patents Index; Class B04, AN 1994-163131, XP002220910
- [X] DATABASE WPI Section Ch Week 199541, Derwent World Patents Index; Class D16, AN 1995-315923, XP002220911
- [X] DATABASE WPI Section Ch Week 199409, Derwent World Patents Index; Class B04, AN 1994-068478, XP002220912
- See references of WO 9725058A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9725058 A1 19970717; AU 6897496 A 19970801; CA 2242864 A1 19970717; CN 1215336 A 19990428; EP 0952847 A1 19991103; EP 0952847 A4 20030903; JP 2002515736 A 20020528

DOCDB simple family (application)

US 9613065 W 19960802; AU 6897496 A 19960802; CA 2242864 A 19960808; CN 96180211 A 19960808; EP 96929678 A 19960802; JP 52517497 A 19960808