

Title (en)
NOVEL PECTINASES AND USES THEREOF

Title (de)
NEUE PEKTINASEN UND DEREN VERWENDUNGEN

Title (fr)
NOUVELLES PECTINASES ET LEURS UTILISATIONS

Publication
EP 1507857 A1 20050223 (EN)

Application
EP 03815949 A 20030528

Priority

- EP 03815949 A 20030528
- EP 0305726 W 20030528
- EP 02100583 A 20020530
- EP 02100586 A 20020530
- EP 02100587 A 20020530
- EP 02100588 A 20020530
- EP 02100589 A 20020530
- EP 02100590 A 20020530
- EP 02100591 A 20020530
- EP 02100592 A 20020530
- EP 02100593 A 20020530
- EP 02100594 A 20020530
- EP 02100597 A 20020530
- EP 02100598 A 20020530
- EP 02100600 A 20020530
- EP 02100601 A 20020530
- EP 02100602 A 20020530
- EP 02100603 A 20020530
- EP 02100604 A 20020530
- EP 02100605 A 20020530
- EP 02100606 A 20020530
- EP 02100613 A 20020603
- EP 02100621 A 20020603
- EP 02100622 A 20020603
- EP 02100623 A 20020603
- EP 02100624 A 20020603
- EP 02100625 A 20020603
- EP 02100629 A 20020603
- EP 02100644 A 20020603
- EP 02100645 A 20020603
- EP 02100730 A 20020620
- EP 02102522 A 20021101
- EP 02102523 A 20021101

Abstract (en)
[origin: WO2004074468A1] The invention relates to newly identified polynucleotide sequences comprising genes that encode novel pectinases isolated from *Aspergillus niger*. The invention features the full length nucleotide sequence of the novel genes, the cDNA sequences comprising the full length coding sequence of the novel pectinases as well as the amino acid sequence of the full-length functional proteins and functional equivalents thereof. The invention also relates to methods of using these enzymes in industrial processes and methods of diagnosing fungal infections. Also included in the invention are cells transformed with a polynucleotide according to the invention and cells wherein a pectinase according to the invention is genetically modified to enhance or reduce its activity and/or level of expression.

IPC 1-7
C12N 9/40; C12N 15/52; C07K 16/40

IPC 8 full level
A23C 11/10 (2006.01); **A23K 1/165** (2006.01); **A23K 1/18** (2006.01); **A23K 3/03** (2006.01); **A23L 2/84** (2006.01); **A23L 11/30** (2016.01); **A23L 19/00** (2016.01); **A23L 29/00** (2016.01); **C07K 16/40** (2006.01); **C12N 9/24** (2006.01); **C12N 9/40** (2006.01); **C12N 15/52** (2006.01)

CPC (source: EP US)
A23C 11/103 (2013.01 - EP US); **A23K 20/189** (2016.05 - EP); **A23K 30/18** (2016.05 - EP); **A23K 50/75** (2016.05 - EP); **A23L 2/84** (2013.01 - EP); **A23L 11/33** (2016.07 - EP); **A23L 11/65** (2021.01 - EP US); **A23L 19/09** (2016.07 - EP); **A23L 29/06** (2016.07 - EP); **C12N 9/2402** (2013.01 - EP US); **C12Y 302/01015** (2013.01 - EP)

Citation (search report)
See references of WO 2004074468A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004074468 A1 20040902; AU 2003303934 A1 20040909; EP 1507857 A1 20050223

DOCDB simple family (application)
EP 0305726 W 20030528; AU 2003303934 A 20030528; EP 03815949 A 20030528