

Title (en)

PROTEASES FROM GRAM POSITIVE ORGANISMS

Title (de)

PROTEASEN VON GRAM-POSITIVEN ORGANISMEN

Title (fr)

PROTEASES PROVENANT D'ORGANISMES A GRAM POSITIF

Publication

EP 1042488 A2 20001011 (EN)

Application

EP 98964092 A 19981217

Priority

- GB 9727468 A 19971230
- US 9826972 W 19981217

Abstract (en)

[origin: WO9933959A2] The present invention relates to the identification of novel metalloprotease in gram positive microorganisms. The present invention provides the nucleic acid and amino acid sequences for the metalloprotease. The present invention also provides host cells having a mutation or deletion of part or all of the gene encoding the metalloprotease. The present invention provides host cells which further comprises a nucleic acid encoding desired heterologous proteins such as enzymes. The present invention also provides cleaning compositions, animal feeds and compositions used to treat a textile that include the metalloprotease of the present invention.

IPC 1-7

C12N 15/57; **C12N 15/75**; **C12N 1/21**; **C11D 3/386**; **A23K 1/165**

IPC 8 full level

C11D 3/386 (2006.01); **C12N 9/56** (2006.01); **C12N 9/80** (2006.01); **C12N 15/75** (2006.01)

CPC (source: EP)

C11D 3/386 (2013.01); **C12N 9/54** (2013.01); **C12N 9/80** (2013.01); **C12N 15/75** (2013.01)

Citation (search report)

See references of WO 9933959A2

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

WO 9933959 A2 19990708; **WO 9933959 A3 19991125**; AU 1928899 A 19990719; EP 1042488 A2 20001011; GB 9727468 D0 19980225

DOCDB simple family (application)

US 9826972 W 19981217; AU 1928899 A 19981217; EP 98964092 A 19981217; GB 9727468 A 19971230