

Title (en)
HALOPEROXIDASES WITH ALTERED pH PROFILES

Title (de)
HALOPEROXIDASEN MIT VERÄNDERTEN pH-PROFILIEN

Title (fr)
HALOPEROXYDASES AVEC PROFILS DE pH MODIFIES

Publication
EP 1062327 A1 20001227 (EN)

Application
EP 99907343 A 19990316

Priority
• DK 9900133 W 19990316
• DK 37498 A 19980318

Abstract (en)
[origin: WO9947651A1] Variants of a parent vanadium-containing haloperoxidase, which variant has haloperoxidase activity and an altered pH optimum and comprises a mutation in a position corresponding to at least one of the following positions: R490A,L,I,Q,M,E,D; A399G; F397N,Y,E,Q; P395A,S; R360A,L,I,Q,M,E,D; K353Q,M; S402A,T,V,S; D292L; A501S; W350F,Y; V495A,T,V,S; K394A,L,I,Q,M,E,D; wherein the parent haloperoxidase has the amino acid sequence given in SEQ ID No.1, or the parent haloperoxidase has an amino acid sequence which is at least 80 % homologous to SEQ ID No.1.

IPC 1-7
C12N 9/08

IPC 8 full level
D06L 4/40 (2017.01); **C09D 5/14** (2006.01); **C09D 7/12** (2006.01); **C09D 201/00** (2006.01); **C11D 3/386** (2006.01); **C12N 1/15** (2006.01); **C12N 1/21** (2006.01); **C12N 9/08** (2006.01); **C12N 15/09** (2006.01); **C12S 3/04** (2006.01); **D06M 16/00** (2006.01)

CPC (source: EP KR)
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Citation (search report)
See references of WO 9947651A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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