

Title (en)
SUBTILASES

Title (de)
SUBTILASEN

Title (fr)
SUBTILASES

Publication
EP 1608744 A2 20051228 (EN)

Application
EP 04722236 A 20040322

Priority
• DK 2004000194 W 20040322
• DK PA200300435 A 20030321

Abstract (en)
[origin: WO2004083362A2] The present invention relates to methods for producing variants of a parent JP170 subtilase and of a parent BPN' subtilase and to JP170 and BPN' variants having altered properties as compared to the parent JP170/BPN' subtilase.

IPC 1-7
C12N 9/50; **C12N 15/57**; **C11D 3/386**

IPC 8 full level
C12N 9/54 (2006.01); **C12N 15/57** (2006.01)

CPC (source: EP)
C12N 9/54 (2013.01); **C07K 2299/00** (2013.01)

Citation (search report)
See references of WO 2004083362A2

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 PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2004083362 A2 20040930; **WO 2004083362 A3 20041104**; AR 043746 A1 20050810; CN 101851615 A 20101006;
CN 101851615 B 20140806; CN 1791672 A 20060621; EP 1608744 A2 20051228; EP 2163616 A2 20100317; EP 2163616 A3 20100526;
JP 2006521795 A 20060928; JP 2012045000 A 20120308; JP 4908196 B2 20120404

DOCDB simple family (application)
DK 2004000194 W 20040322; AR P040100949 A 20040323; CN 200480013516 A 20040322; CN 201010155758 A 20040322;
EP 04722236 A 20040322; EP 09152523 A 20040322; JP 2006504333 A 20040322; JP 2011251928 A 20111117