

Title (en)  
ALKALINE BACILLUS AMYLASE

Title (de)  
ALKALISCHE AMYLASE VON BACILLUS.

Title (fr)  
AMYLASE BACILLAIRE ALCALINE

Publication  
**EP 1054957 A1 20001129 (EN)**

Application  
**EP 99903592 A 19990215**

Priority  
• DK 9900066 W 19990215  
• DK 22898 A 19980218

Abstract (en)  
[origin: WO9942567A1] The present invention relates to amylases having improved washing performance in an alkaline detergent solution at low temperature. More specifically, the present invention provides novel  $\alpha$ -amylases from *Bacillus* sp. with improved performance in alkaline solutions, especially in alkaline detergent solutions at pH around 9-11.

IPC 1-7  
**C12N 9/28**

IPC 8 full level  
**C12N 15/09** (2006.01); **C11D 3/386** (2006.01); **C12N 1/19** (2006.01); **C12N 9/28** (2006.01); **C12R 1/07** (2006.01); **C12R 1/19** (2006.01)

CPC (source: EP KR)  
**C11D 3/386** (2013.01 - EP); **C12N 9/2417** (2013.01 - EP KR)

Citation (search report)  
See references of WO 9942567A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB GR IE IT LI NL PT SE

DOCDB simple family (publication)  
**WO 9942567 A1 19990826**; AU 2411699 A 19990906; CA 2320759 A1 19990826; EP 1054957 A1 20001129; JP 2002504323 A 20020212; KR 20010040517 A 20010515

DOCDB simple family (application)  
**DK 9900066 W 19990215**; AU 2411699 A 19990215; CA 2320759 A 19990215; EP 99903592 A 19990215; JP 2000532507 A 19990215; KR 20007008380 A 20000801