

Title (en)  
AMYLASE-CONTAINING DETERGENT COMPOSITIONS

Title (de)  
AMYLASEHALTIGE WASCHMITTELZUSAMMENSETZUNG

Title (fr)  
COMPOSITIONS DE DETERGENT CONTENANT UNE AMYLASE

Publication  
**EP 0756619 A4 19970402 (EN)**

Application  
**EP 95916433 A 19950417**

Priority  

- EP 95916433 A 19950417
- EP 94302878 A 19940422
- US 9504710 W 19950417

Abstract (en)  
[origin: WO9529224A1] A detergent composition comprising an amylase enzyme which shows CMCase activity and/or is an amylase showing a positive immunological cross reaction with the antibody of the Fungamyl3 amylase, or an amylase produced by a host organism in which the gene encoding the Fungamyl3 has been cloned.

IPC 1-7  
**C11D 3/386**; **C12N 9/30**

IPC 8 full level  
**C11D 1/83** (2006.01); **C11D 3/386** (2006.01); **C11D 3/39** (2006.01); **C12N 9/30** (2006.01); **C11D 1/14** (2006.01); **C11D 1/29** (2006.01); **C11D 1/66** (2006.01); **C11D 1/72** (2006.01)

CPC (source: EP)  
**C11D 1/83** (2013.01); **C11D 3/386** (2013.01); **C11D 3/3917** (2013.01); **C11D 3/393** (2013.01); **C11D 1/146** (2013.01); **C11D 1/29** (2013.01); **C11D 1/662** (2013.01); **C11D 1/72** (2013.01)

Citation (search report)  

- [XY] WO 9402597 A1 19940203 - NOVO NORDISK AS [DK], et al
- [Y] DE 4116701 A1 19920206 - MITSUBISHI GAS CHEMICAL CO [JP], et al
- [A] WO 9320175 A1 19931014 - NOVO NORDISK AS [DK], et al
- [A] WO 9205239 A1 19920402 - NOVO NORDISK AS [DK]
- [A] WO 8605187 A1 19860912 - STALEY MFG CO A E [US]
- See references of WO 9529224A1

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

DOCDB simple family (publication)  
**WO 9529224 A1 19951102**; AU 2293595 A 19951116; BR 9507397 A 19971007; CA 2188403 A1 19951102; CN 1151177 A 19970604; EP 0756619 A1 19970205; EP 0756619 A4 19970402; JP H10501825 A 19980217; MA 23526 A1 19951231

DOCDB simple family (application)  
**US 9504710 W 19950417**; AU 2293595 A 19950417; BR 9507397 A 19950417; CA 2188403 A 19950417; CN 95193743 A 19950417; EP 95916433 A 19950417; JP 52770295 A 19950417; MA 23855 A 19950421