

Title (en)  
PROTEINS WITH ENHANCED LEVELS OF ESSENTIAL AMINO ACIDS

Title (de)  
PROTEINE MIT ERHÖHTEN GEHALTEN AN ESSENTIELLEN AMINOSÄUREN

Title (fr)  
PROTEINES A CONCENTRATION AMELIOREE EN ACIDES AMINES ESSENTIELS

Publication  
**EP 0946729 A2 19991006 (EN)**

Application  
**EP 97946614 A 19971031**

Priority  
• US 9720441 W 19971031  
• US 74068296 A 19961101

Abstract (en)  
[origin: WO9820133A2] The present invention provides for polypeptides comprising protease inhibitors with increased amounts of essential amino acids and nucleotides encoding for these peptides. Also provided are transformed plants and seeds with enhanced nutritional value due to the expression of modified polypeptides.

IPC 1-7  
**C12N 15/29**; **C12N 15/82**; **C07K 14/415**; **C07K 14/81**; **A01H 5/00**; **A23K 1/00**; **A23L 1/29**; **A23L 1/305**

IPC 8 full level  
**A23K 1/16** (2006.01); **A23L 1/305** (2006.01); **C07K 14/81** (2006.01); **C12N 15/29** (2006.01); **C12N 15/82** (2006.01)

CPC (source: EP)  
**A23K 20/147** (2016.05); **A23L 33/185** (2016.07); **C07K 14/81** (2013.01); **C07K 14/811** (2013.01); **C12N 15/8242** (2013.01); **C12N 15/8251** (2013.01); **C12N 15/8253** (2013.01); **C12N 15/8254** (2013.01)

Citation (search report)  
See references of WO 9820133A2

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

DOCDB simple family (publication)  
**WO 9820133 A2 19980514**; **WO 9820133 A3 19980723**; AU 5174998 A 19980529; AU 728086 B2 20010104; CA 2270289 A1 19980514; CA 2270289 C 20050927; EP 0946729 A2 19991006; HU P0000810 A2 20000628; HU P0000810 A3 20020228

DOCDB simple family (application)  
**US 9720441 W 19971031**; AU 5174998 A 19971031; CA 2270289 A 19971031; EP 97946614 A 19971031; HU P0000810 A 19971031