

Title (en)  
VARIANTS OF THE GROUP-6 ALLERGENS OF THE POACEAE WITH REDUCED ALLERGENICITY BY MUTAGENESIS OF PROLINE RESIDUES

Title (de)  
VARIANTEN DER GRUPPE 6-ALLERGENE DER SÜSSGRÄSER MIT REDUZierter ALLERGENITÄT DURCH MUTAGENESE VON PROLINRESTEN

Title (fr)  
VARIANTS DES ALLERGÈNES DU GROUPE 6 DES POACÉES PRÉSENTANT UNE ALLERGÉNICITÉ RÉDUITE, PAR MUTAGÈNESE DE RÉSIDUS DE PROLINE

Publication  
**EP 2523684 A1 20121121 (DE)**

Application  
**EP 10795624 A 20101217**

Priority  
• EP 10000293 A 20100114  
• EP 2010007745 W 20101217  
• EP 10795624 A 20101217

Abstract (en)  
[origin: WO2011085782A1] The present invention relates to the preparation and the use of recombinant variants of the group-6 allergens of the poaceae which are characterized by the fact that their IgE reactivity is reduced in comparison with the known wild-type allergens while simultaneously the reactivity with T-lymphocytes is largely retained.

IPC 8 full level  
**A61K 39/36** (2006.01); **C07K 14/415** (2006.01)

CPC (source: CN EP RU US)  
**A61K 39/00** (2013.01 - CN EP RU US); **A61K 39/35** (2013.01 - US); **A61K 39/36** (2013.01 - CN EP RU US); **A61K 45/06** (2013.01 - RU US); **A61P 37/08** (2018.01 - EP); **C07K 14/415** (2013.01 - CN EP RU US); **A61K 38/00** (2013.01 - EP US); **A61K 2039/53** (2013.01 - CN EP RU US); **C07K 2319/21** (2013.01 - EP RU US)

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2011085782 A1 20110721**; AU 2010342532 A1 20120830; AU 2010342532 B2 20160721; BR 112012017303 A2 20160419; CA 2786935 A1 20110721; CN 102811735 A 20121205; CN 102811735 B 20150909; CN 105001315 A 20151028; EP 2523684 A1 20121121; JP 2013516961 A 20130516; JP 5871818 B2 20160301; RU 2012134509 A 20140220; RU 2607373 C2 20170110; US 2013224251 A1 20130829; US 2015071953 A1 20150312; US 8999348 B2 20150407

DOCDB simple family (application)  
**EP 2010007745 W 20101217**; AU 2010342532 A 20101217; BR 112012017303 A 20101217; CA 2786935 A 20101217; CN 201080061391 A 20101217; CN 201510445952 A 20101217; EP 10795624 A 20101217; JP 2012548349 A 20101217; RU 2012134509 A 20101217; US 201013522041 A 20101217; US 201414546706 A 20141118