

Title (en)  
MODIFIED CLOSTRIDIAL TOXINS WITH ENHANCED TRANSLOCATION CAPABILITIES AND ALTERED TARGETING ACTIVITY FOR NON-CLOSTRIDIAL TOXIN TARGET CELLS

Title (de)  
MODIFIZIERTE CLOSTRIDIENTOXINE MIT VERBESSERTEN TRANSLOKATIONSFÄHIGKEITEN UND GEÄNDERTER TARGETING-AKTIVITÄT FÜR NICHTCLOSTRIDIENTOXIN-TARGETZELLEN

Title (fr)  
TOXINES CLOSTRIDIENNES MODIFIÉES À CAPACITÉ DE TRANSLOCATION AMÉLIORÉE ET À ACTIVITÉ MODIFIÉE DE CIBLAGE DES CELLULES QUI NE SONT PAS CIBLES DES TOXINES CLOSTRIDIENNES

Publication  
**EP 2038299 A2 20090325 (EN)**

Application  
**EP 07812774 A 20070711**

Priority  
• US 2007073202 W 20070711  
• US 80705906 P 20060711

Abstract (en)  
[origin: WO2008008805A2] The specification discloses modified Clostridial toxins comprising a Clostridial toxin enzymatic domain, a Clostridial toxin translocation domain, a translocation facilitating domain and an altered target domain; polynucleotide molecules encoding such modified Clostridial toxins; and methods of producing such modified Clostridial toxins.

IPC 8 full level  
**C07K 14/33** (2006.01)

CPC (source: EP)  
**A61P 1/18** (2017.12); **A61P 21/02** (2017.12); **A61P 25/02** (2017.12); **A61P 25/04** (2017.12); **A61P 29/00** (2017.12); **A61P 43/00** (2017.12); **C07K 14/33** (2013.01); **C07K 2319/00** (2013.01); **C07K 2319/50** (2013.01); **C07K 2319/55** (2013.01)

Citation (search report)  
See references of WO 2008008805A2

Citation (examination)  
• LUDWIG C U ET AL: "Fibroblasts stimulate acinar cell proliferation through IGF-I during regeneration from acute pancreatitis.", THE AMERICAN JOURNAL OF PHYSIOLOGY JAN 1999, vol. 276, no. 1 Pt 1, January 1999 (1999-01-01), pages G193 - G198, XP003030337, ISSN: 0002-9513  
• HERREROS J ET AL: "C-TERMINAL HALF OF TETANUS TOXIN FRAGMENT C IS SUFFICIENT FOR NEURONAL BINDING AND INTERACTION WITH A PUTATIVE PROTEIN RECEPTOR", BIOCHEMICAL JOURNAL, THE BIOCHEMICAL SOCIETY, LONDON, GB, vol. 347, no. PART 01, 1 April 2001 (2001-04-01), pages 199 - 204, XP001010346, ISSN: 0264-6021, DOI: 10.1042/0264-6021:3470199

Citation (third parties)  
Third party :  
• WO 9807864 A1 19980226 - MICROBIOLOGICAL RES AUTHORITY [GB], et al  
• WO 2004024909 A2 20040325 - HEALTH PROT AGENCY [GB], et al  
• WO 2006099590 A2 20060921 - ALLERGAN INC [US], et al  
• US 8017134 B2 20110913 - SHONE CLIFFORD CHARLES [GB], et al  
• WO 2006027207 A1 20060316 - TOXOGEN GMBH [DE], et al  
• LUDWIG C.U. ET AL: "Fibroblasts stimulate acinar cell proliferation through IGF-I during regeneration from acute pancreatitis", AMERICAN JOURNAL OF PHYSIOLOGY: GASTROINTESTINAL AND LIVER PHYSIOLOGY, vol. 276, 1999, pages G193 - G198, XP003030337

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**WO 2008008805 A2 20080117; WO 2008008805 A3 20080410**; AU 2007272517 A1 20080117; AU 2007272517 B2 20130926; CA 2657521 A1 20080117; EP 2038299 A2 20090325; JP 2009543558 A 20091210

DOCDB simple family (application)  
**US 2007073202 W 20070711**; AU 2007272517 A 20070711; CA 2657521 A 20070711; EP 07812774 A 20070711; JP 2009519645 A 20070711