

Title (en)

METHOD FOR OPTIMIZING PROTEINS HAVING THE FOLDING PATTERN OF IMMUNOGLOBULIN

Title (de)

VERFAHREN ZUR OPTIMIERUNG VON PROTEINEN, DIE DAS IMMUNOGLOBULINFALTUNGSMUSTER AUFWEISEN

Title (fr)

PROCÉDÉ POUR OPTIMISER DES PROTÉINES PRÉSENTANT LE MODÈLE DE REPLIEMENT DES IMMUNOGLOBULINES

Publication

EP 2307452 A1 20110413 (DE)

Application

EP 09772458 A 20090630

Priority

- EP 2009058225 W 20090630
- DE 102008030331 A 20080630

Abstract (en)

[origin: WO2010000758A1] The invention relates to a method for optimizing the biophysical properties of molecules and derivatives of the Ig superfamily. The method is characterized in that as yet unrecognized helical structural elements with unknown structural, stability and folding roles have been identified as important determinants of correct and efficient structuring of antibody domains. The novel process for positively influencing the antibody properties and properties of other proteins that have the Ig folding pattern now consists of optimizing the properties of the short helical elements and in the transplantation of these elements between Ig domains.

IPC 8 full level

C07K 16/00 (2006.01); **A61K 39/395** (2006.01); **C07K 14/705** (2006.01); **C07K 19/00** (2006.01)

CPC (source: EP US)

A61K 39/39591 (2013.01 - EP US); **C07K 14/70539** (2013.01 - EP US); **C07K 16/00** (2013.01 - EP US); **C07K 2317/52** (2013.01 - EP US); **C07K 2319/21** (2013.01 - EP US); **C07K 2319/30** (2013.01 - EP US); **C07K 2319/35** (2013.01 - EP US)

Citation (search report)

See references of WO 2010000758A1

Citation (examination)

- WO 2009099961 A2 20090813 - US GOV HEALTH & HUMAN SERV [US], et al
- "Agadir - An algorithm to predict the helical content of peptides", Retrieved from the Internet <URL:http://agadir.crg.es/> [retrieved on 20110818]

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

WO 2010000758 A1 20100107; CA 2729591 A1 20100107; EP 2307452 A1 20110413; JP 2011526595 A 20111013; KR 20110025641 A 20110310; US 2011201785 A1 20110818

DOCDB simple family (application)

EP 2009058225 W 20090630; CA 2729591 A 20090630; EP 09772458 A 20090630; JP 2011515444 A 20090630; KR 20107025677 A 20090630; US 200913000700 A 20090630