

Title (en)
ANTIBODY RECOGNIZING ARBITRARILY DESIGNED EPITOPE OF THREE OR MORE AMINO ACID RESIDUES IN A PEPTIDE AND METHOD OF GENERATING THEREOF

Title (de)
ARBITRÄR KONZIPIERTES EPITOP AUS DREI ODER MEHR AMINOSÄURERESTEN IN EINEM PEPTID ZUM NACHWEIS VON ANTIKÖRPERN UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
ANTICORPS RECONNAISSANT UN ÉPITOPE CONÇU ARBITRAIREMENT D'AU MOINS TROIS RÉSIDUS D'ACIDES AMINÉS DANS UN PEPTIDE, ET PROCÉDÉ DE GÉNÉRATION DE CELUI-CI

Publication
EP 2755687 A4 20150408 (EN)

Application
EP 12832007 A 20120917

Priority

- US 201161535988 P 20110917
- US 2012055771 W 20120917

Abstract (en)
[origin: WO2013040564A2] Peptide vaccine that is a mixture of different peptide species, where each species has a number of fixed amino acid residues and a number of randomized residues. The fixed residues are the same amino acid residues at the corresponding positions in each species of the mixture while the randomized residues are randomly any available candidate amino acids chosen by design. The degree of randomization may be also been chosen according to the design under a particular situation. This type of peptide vaccines have shown to be able to induce highly specific antibodies against epitopes that are otherwise difficult to induce antibodies in vitro, for example the GPG triplet in the V3 of HIV-1 gp120.

IPC 8 full level
A61K 39/395 (2006.01); **A61K 38/16** (2006.01); **A61K 38/17** (2006.01); **A61P 31/18** (2006.01); **C07K 16/10** (2006.01)

CPC (source: EP)
A61P 31/12 (2017.12); **A61P 31/18** (2017.12); **A61P 37/04** (2017.12); **C07K 16/1063** (2013.01); **C07K 2317/34** (2013.01); **C07K 2317/76** (2013.01)

Citation (search report)

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- [A] JAVAHERIAN K ET AL: "PRINCIPAL NEUTRALIZING DOMAIN OF THE HUMAN IMMUNODEFICIENCY VIRUS TYPE 1 ENVELOPE PROTEIN", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES, NATIONAL ACADEMY OF SCIENCES, US, vol. 86, no. 17, 1 September 1989 (1989-09-01), pages 6768 - 6772, XP000068860, ISSN: 0027-8424, DOI: 10.1073/PNAS.86.17.6768
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- See references of WO 2013040564A2

Designated contracting state (EPC)
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DOCDB simple family (publication)
WO 2013040564 A2 20130321; WO 2013040564 A3 20130627; AU 2012308212 A1 20140327; AU 2017251715 A1 20171109; CA 2855781 A1 20130321; CN 104039350 A 20140910; CN 104039350 B 20190705; EP 2755687 A2 20140723; EP 2755687 A4 20150408; HK 1200359 A1 20150807; JP 2014527085 A 20141009; JP 2017141291 A 20170817

DOCDB simple family (application)
US 2012055771 W 20120917; AU 2012308212 A 20120917; AU 2017251715 A 20171024; CA 2855781 A 20120917; CN 201280045106 A 20120917; EP 12832007 A 20120917; HK 15101049 A 20150130; JP 2014530928 A 20120917; JP 2017082368 A 20170418