

Title (en)
IMMUNOGENIC PEPTIDES DERIVED FROM THE MIDKINE PROTEIN, AS AN ANTICANCER VACCINE

Title (de)
IMMUNOGENE PEPTIDE VOM MIDKINE-PROTEIN ALS IMPFSTOFF GEGEN KREBS

Title (fr)
PEPTIDES IMMUNOGENES ISSUS DE LA PROTEINE MIDKINE COMME VACCIN ANTICANCEREUX

Publication
EP 2296697 A1 20110323 (FR)

Application
EP 09766025 A 20090619

Priority
• FR 2009000744 W 20090619
• FR 0803466 A 20080620

Abstract (en)
[origin: WO2009153463A1] A peptide derived from the Midkine protein, comprising at least one CD4+ T or CD8+ T epitope restricted by the HLA molecules predominant in the Caucasian population, or a polynucleotide encoding said peptide, as an anticancer vaccine or as a reagent for immunomonitoring of the cellular response against Midkine over the course of a cancer or of an anticancer treatment.

IPC 8 full level
A61K 39/00 (2006.01); **A61P 35/00** (2006.01); **C07K 14/475** (2006.01)

CPC (source: EP US)
A61K 39/0011 (2013.01 - EP US); **A61K 39/4611** (2023.05 - EP); **A61K 39/4615** (2023.05 - EP); **A61K 39/4622** (2023.05 - EP); **A61K 39/464499** (2023.05 - EP); **A61P 1/04** (2018.01 - EP); **A61P 1/16** (2018.01 - EP); **A61P 1/18** (2018.01 - EP); **A61P 5/00** (2018.01 - EP); **A61P 11/00** (2018.01 - EP); **A61P 13/08** (2018.01 - EP); **A61P 13/10** (2018.01 - EP); **A61P 15/00** (2018.01 - EP); **A61P 19/00** (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 35/02** (2018.01 - EP); **A61P 37/04** (2018.01 - EP); **G01N 33/56966** (2013.01 - EP US); **G01N 33/574** (2013.01 - EP US); **G01N 2333/475** (2013.01 - EP US)

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 2009153463 A1 20091223; AU 2009261813 A1 20091223; CA 2728459 A1 20091223; CN 102123731 A 20110713; EP 2296697 A1 20110323; FR 2932681 A1 20091225; FR 2932681 B1 20120831; JP 2011525108 A 20110915; US 2011159022 A1 20110630

DOCDB simple family (application)
FR 2009000744 W 20090619; AU 2009261813 A 20090619; CA 2728459 A 20090619; CN 200980132872 A 20090619; EP 09766025 A 20090619; FR 0803466 A 20080620; JP 2011514088 A 20090619; US 200913000302 A 20090620