

Title (en)  
METHOD FOR THE PRODUCTION OF AN ACTIVE MOLECULE VECTOR USED TO DIFFUSE ACTIVE SUBSTANCES AND VECTOR THUS OBTAINED

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON VEKTORMOLEKULEN VERWENDBAR ALS WIRKSTOFFEN IM GEBIET DER DIFFUSION UND DER ERHALTENE VEKTOR

Title (fr)  
PROCEDE DE FABRICATION D'UN VECTEUR DE MOLECULES ACTIVES APPLICABLE DANS LE DOMAINE DE LA DIFFUSION DE PRINCIPES ACTIFS ET VECTEUR OBTENU

Publication  
**EP 1576022 A1 20050921 (FR)**

Application  
**EP 03810013 A 20031223**

Priority  
• FR 0350204 W 20031223  
• FR 0216629 A 20021224

Abstract (en)  
[origin: FR2849043A1] A method for the production of a vector for active molecules by polycondensation of (A) a diamine in which the amino groups are separated by at least 4 carbons with (B) glutaraldehyde involves carrying out the reaction at pH 6.5-7.5. A method for the production of a vector for active molecules for use in biomedical applications involves (a) diluting a monomer containing at least two NH<sub>2</sub> groups separated by at least 4 carbons with water, (b) adjusting to pH 6.5-7.5, (c) adding glutaraldehyde, (d) reacting by polycondensation with imine formation and (e) working up the polymer obtained, i.e. poly-(monomer-G), where G represents reduced glutaraldehyde. An Independent claim is also included for vectors as above, comprising poly-(ornithine-G), poly-(L-lysine-G) or poly-(citrulline-G) (i.e. poly-(monomer-G)) grafted with active molecules such as fatty acids, antioxidants, vitamins, hormones, medicaments or neuro-transmitters to provide bacteriostatic, anti-allergenic, anti-parasite, anti-predator, antifungal, anti-inflammatory or immunomodulant activity.

IPC 1-7  
**C08G 12/02; A61K 47/48**

IPC 8 full level  
**A61K 47/42** (2006.01); **A61K 47/48** (2006.01); **C08G 73/02** (2006.01)

CPC (source: EP US)  
**A61K 47/42** (2013.01 - EP US); **A61K 47/645** (2017.07 - EP US); **A61P 29/00** (2017.12 - EP); **A61P 31/04** (2017.12 - EP); **A61P 31/10** (2017.12 - EP); **A61P 33/00** (2017.12 - EP); **A61P 37/02** (2017.12 - EP); **A61P 37/08** (2017.12 - EP); **C08G 73/028** (2013.01 - EP US)

Citation (search report)  
See references of WO 2004058842A1

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

DOCDB simple family (publication)  
**FR 2849043 A1 20040625; FR 2849043 B1 20050708**; AU 2003302198 A1 20040722; EP 1576022 A1 20050921; JP 2006512435 A 20060413; US 2006128017 A1 20060615; WO 2004058842 A1 20040715; WO 2004058842 A9 20041111

DOCDB simple family (application)  
**FR 0216629 A 20021224**; AU 2003302198 A 20031223; EP 03810013 A 20031223; FR 0350204 W 20031223; JP 2004563322 A 20031223; US 54075505 A 20051209