

Title (en)

METHODS AND COMPOSITIONS FOR CONTROLLED POLYPEPTIDE SYNTHESIS

Title (de)

METHODEN UND ZUSAMMENSETZUNGEN ZUR KONTROLLIERTEN POLYPEPTID SYNTHESE

Title (fr)

METHODES ET COMPOSITIONS POUR REALISER UNE SYNTHESE REGULEE DE POLYPEPTIDES

Publication

**EP 1189928 A1 20020327 (EN)**

Application

**EP 00930551 A 20000510**

Priority

- US 0012770 W 20000510
- US 13330499 P 19990510
- US 13330599 P 19990510
- US 18744800 P 20000307
- US 19305400 P 20000329

Abstract (en)

[origin: WO0068252A1] Methods and compositions for the generation of polypeptides having varied material properties are disclosed herein. Methods include means for making self assembling amphiphilic block copolypeptides and related protocols for adding oligo(ethyleneglycol) functionalized aminoacid-N-carboxyanhydrides (NCAs) to polyaminoacid chains. Additional methods include means of adding an end group to the carboxy terminus of a polyaminoacid chain by reacting an alloc-protected amino acid amide with a transition metal-donor ligand complex, thereby forming an amido-amidate metallacycle for use in further polymerization reactions. Novel compositions for use in peptide synthesis and design including five and six membered amido-containing metallacycles and block copolypeptides are also disclosed.

IPC 1-7

**C07K 1/10**; **C07K 1/107**; **C07K 17/08**

IPC 8 full level

**C07K 1/08** (2006.01); **C07K 1/10** (2006.01)

CPC (source: EP)

**C07K 1/084** (2013.01); **C07K 1/088** (2013.01); **C07K 1/10** (2013.01)

Citation (search report)

See references of WO 0068252A1

Citation (examination)

EP 0612846 A1 19940831 - AMGEN INC [US]

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0068252 A1 20001116**; AU 4835200 A 20001121; CA 2372526 A1 20001116; EP 1189928 A1 20020327

DOCDB simple family (application)

**US 0012770 W 20000510**; AU 4835200 A 20000510; CA 2372526 A 20000510; EP 00930551 A 20000510