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(71) Applicant *(for all designated States except US)*: **APLAGEN GMBH** [DE/DE]; Arnold-Sommerfeld-Ring 2, D-52499 Baesweiler (DE).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **RYBKA, Andreas** [DE/DE]; Langenbochumer Str. 371, D45701 Herten (DE). **FRANK, Hans-Georg** [DE/DE]; c/o, AplaGen GmbH, Arnold-Sommerfeld-Ring 2, D-52499 Baesweiler (DE). **BRACHT, Franz-Peter** [DE/DE]; Hans-Endt-Str. 117, 40593 Düsseldorg (DE). **HABERL, Udo** [DE/DE]; Adenauerring 30, 52499 Baesweiler (DE).

(74) Agents: **MEYERS, Hans-Wilhelm** et al.; P.O. Box 10 22 41, D-50462 Cologne (DE).

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(54) Title: METAL CHELATE COMPLEXES IMMOBILIZED ON SOLID SUPPORTS FOR PEPTIDE PREPARATION

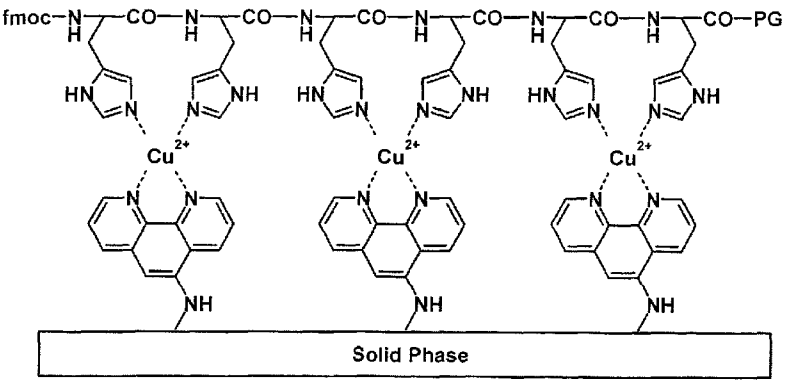


Figure 1c: Figure 1c depicts an example of an attached peptide, comprising a peptide residue and an oligohistidine moiety anchoring part, wherein said anchoring part is covalently attached to an activated solid phase, comprising a solid support, covalently bound 5-amino-1,10-phenanthroline metal chelating ligand and chelated Cu^{2+} metal ions

(57) Abstract: Use of an activated solid phase and an anchoring part which is attached to a peptide for solid phase peptide synthesis, wherein the anchoring part is coordinatively and reversibly attached to the activated solid phase. Furthermore provided is a process for competitively detachment of said anchoring part, for purification and refolding of said peptides. Provided are peptides with an anchoring part for coordinative and reversible attachment of said peptides to an activated solid phase. In preferred embodiments, the linkage between peptide(s) and solid phase consists of a metal chelate complex. The immobilized peptide is subjected to synthetic steps for sequence elongation (i. e. is a growing peptide). The preferred metal ion for chelate complexes is Cu(2+), and the preferred ligand on resin is 1,10-phenantroline.

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