

Title (en)

POLY-(-g(a)-L-ASPARTIC ACID), POLY-(-g(a)-L-GLUTAMIC ACID) AND COPOLYMERS OF L-ASP AND L-GLU, METHOD FOR THEIR PRODUCTION AND THEIR USE

Title (de)

POLY-(ALPHA-L-ASPARAGINSÄURE), POLY-(ALPHA-L-GLUTAMINSÄURE) UND COPOLYMERE VON L-ASP UND L-GLU, METHODEN IHRER HERSTELLUNG UND VERWENDUNG

Title (fr)

ACIDE POLY--g(a)-L-ASPARTIQUE, ACIDE-POLY--g(a)-L-GLUTAMIQUE ET COPOLYMERES DE L-ASP ET L-GLU, LEUR PROCEDE DE PREPARATION ET LEUR UTILISATION

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Application

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Abstract (en)

[origin: WO9848032A2] The invention provides Poly-(alpha -L-aspartic acid) (= poly-L- alpha -Asp), Poly-(alpha -L-glutamic acid) and new copolymers of L-Asp and L-Glu with essentially alpha -linkages as well as salts of said polymers and copolymers. A method for producing said polyamino acids comprises employing an oligonucleotide construct encoding the sequence of the desired polymer, cloning the oligonucleotide into a plasmid, transformation of host cells with the plasmid and expression of the genetic information. Because of their good biological degradability the new poly-L- alpha -amino acids can be used as co-builders, sequestering agents and corrosion inhibitors.

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