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Ashmead et al.

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- (54) **COMPOSITION AND METHOD FOR PREPARING AMINO ACID CHELATE HYDROXIDES FREE OF INTERFERING IONS**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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- (58) Field of Search 556/50, 63, 116, 556/134, 148

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(57) **ABSTRACT**

The present invention relates to compositions and methods of preparing amino acid chelates that are essentially free of interfering ions. The composition is prepared by reacting in an aqueous solution, a calcium oxide and/or hydroxide, an amino acid, and a soluble metal sulfate salt at a ratio sufficient to allow substantially all of the ions present in solution to react forming a positively charged metal amino acid chelate having a hydroxide counter-ion, and calcium sulfate, and wherein the metal amino acid chelate has a ligand to metal molar ratio from 1:1 to 2:1.

25 Claims, No Drawings

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