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- (54) **COMPOSITION AND METHOD FOR PREPARING ELECTRICALLY NEUTRAL AMINO ACID CHELATES FREE OF INTERFERING IONS**
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(57) **ABSTRACT**

The present invention relates to compositions and methods of preparing amino acid chelates that are electrically neutral and 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 metal amino acid chelate and an essentially inert calcium sulfate, and wherein the metal amino acid chelate has a ligand to metal molar ratio from 2:1 to 3:1.

30 Claims, No Drawings