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- (54) **HYPOALLERGENIC METAL AMINO ACID CHELATES AND METAL AMINO ACID CHELATE-CONTAINING COMPOSITIONS**
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- (52) **U.S. Cl.** **424/600, 424/638, 424/639, 424/643, 424/647**

- (58) **Field of Classification Search** **424/618, 424/630, 639, 641, 646, 647, 648, 655, 682, 514/492, 494, 499, 502, 505, 836**

See application file for complete search history.

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(74) *Attorney, Agent, or Firm*—Thorpe North & Western LLP**(57) ABSTRACT**

Hypoallergenic metal amino acid chelate compositions, hypoallergenic formulations containing hypoallergenic metal amino acid chelates, methods of preparing hypoallergenic metal amino acid chelate, and methods of administering hypoallergenic metal amino acid chelates are provided. Specifically, the present invention provides metal amino acid chelates that are substantially free of allergens such that administration of the metal amino acid chelates to a subject in an effective amount to cause a medicinal or nutritional result does not produce a discernable adverse allergic reaction. The metal amino acid chelates can include chelates having a naturally occurring amino acid to metal molar ratio of from about 1:1 to 4:1.

55 Claims, No Drawings