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Pedersen et al.

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(54) **COMPOSITION AND METHOD FOR PREPARING AMINO ACID CHELATES AND COMPLEXES**

(75) Inventors: **Mark Pedersen**, Kaysville, UT (US);  
**H. DeWayne Ashmead**, Fruit Heights, UT (US)

(73) Assignee: **Albion International, Inc.**, Clearfield, UT (US)

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A01N 59/06

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*Primary Examiner*—Alton N Pryor  
(74) *Attorney, Agent, or Firm*—Thorpe North & Western, LLP

(57) **ABSTRACT**

Compositions and methods of preparing amino acid chelates and complexes are disclosed and described. Specifically, by (a) combining a hydrated metal sulfate salt with an amino acid ligand to form a particulate blend, (b) placing the particulate blend in an enclosed environment; and (c) applying heat to the particulate blend in the enclosed environment causing the waters of hydration of the metal sulfate salt to be released into the enclosed environment causing a reaction resulting in the formation of an amino acid chelate or complex by effecting the reaction between functional electron rich groups of the amino acid ligand and a metal ion of the metal sulfate salt. The waters of hydration serve to provide the water necessary to enable a bonding reaction to take place between the electron rich functional groups of the amino acid ligand and the metal ion of the hydrated metal sulfate salt.

**10 Claims, No Drawings**

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