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- [54] **PALATABLE BALANCED AMINO ACID-MODIFIED DIET**
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Related U.S. Application Data

- [63] Continuation of Ser. No. 742,855, Aug. 8, 1991, abandoned, which is a continuation-in-part of Ser. No. 433,714, Nov. 9, 1989, abandoned.

- [51] Int. Cl.⁶ **A23J 1/00**
- [52] U.S. Cl. **426/656**; 514/561;
514/562; 514/563; 514/564; 562/553; 562/556;
562/559; 562/562

- [58] Field of Search 514/561, 562, 563, 564;
426/656; 562/553, 556, 559, 562

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[57] ABSTRACT

In the present invention, L-amino acids comprise the medical food which provides a source of protein-equivalent of free purified L-amino acids in a palatable powdered form which can be incorporated into a liquid beverage or into proprietary low-protein solid food products without adversely affecting the organoleptic qualities of these foods. The mixture can act to deliver a protein-equivalent in heretofore unavailable and, thereby, novel ways. Some important considerations contributing to the value of the composition of the L-amino acids and the process by which the amino acid-modified diet is administered are: a protein-equivalent as low in total L-amino acid elements as is nutritionally safe, in quantities to balance the amino acid contributions from the natural foods with up to 100% of certain unpalatable L-amino acids: L-glutamic acid, L-aspartic acid, L-arginine, and L-methionine, replaced by their more palatable counterparts: L-glutamine, L-asparagine, L-citrulline, and L-cystine, respectively; and a dietary prescription which assigns the medical food intake on the basis of both energy and protein needs remaining after the low protein natural foods and proprietary products are accounted for.

10 Claims, No Drawings