

- [54] **METHOD OF MAINTAINING RUMINANTS ON HIGH ENERGY LOW FIBER DIET**
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- [*] Notice: The portion of the term of this patent subsequent to Mar. 24, 2004 has been disclaimed.
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Related U.S. Application Data

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- [52] U.S. Cl. 514/299; 514/397; 514/413; 514/478
- [58] Field of Search 514/413, 299, 397, 478

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[57] **ABSTRACT**

This invention relates to the use of parasympathomimetic compounds, their precursors, salts and metabolites, to alter the digestive process in livestock so as to increase the efficiency of food utilization while simultaneously reducing the risk of certain disorders frequently associated with high energy diets. Specifically, the invention comprises administration to ruminants and other livestock of low level dosages of a parasympathomimetic compound to increase salivation during feeding and rumination, thereby increasing rumen digesta turnover rates and efficiency of food utilization while reducing the risk of certain digestive tract disorders such as acidosis and displaced abomasum.

8 Claims, No Drawings