

United States Patent [19]

Liggett

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- [54] **HYDROXYLAMMONIUM NITRATE PROCESS**
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- [73] **Assignee:** The United States of America as represented by the Secretary of the Navy, Washington, D.C.
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- [22] **Filed:** Mar. 1, 1976
- [51] **Int. Cl.:** C01B 21/20
- [52] **U.S. Cl.:** 423/387; 423/551; 423/555
- [58] **Field of Search:** 423/321 S, 551, 385, 423/387, 388, 555
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[57] ABSTRACT

A process for preparing hydroxylammonium nitrate which comprises reacting a hydroxylammonium salt, e.g., the sulfate, with an aqueous solution of a nitrate salt, e.g., sodium nitrate, in the presence of an organic solvent, e.g., butanol, in which the hydroxylammonium nitrate is soluble and the by-product salts are insoluble.

7 Claims, No Drawings