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[54] PREPARATION OF SPHEROIDAL 3-NITRO-1,2, 4-TRIAZOLE-5-ONE

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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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[52] U.S. Cl. 548/265; 548/263

[58] Field of Search 548/263, 265

[56] References Cited

U.S. PATENT DOCUMENTS

4,733,610 3/1988 Lee et al. 548/263

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[57] ABSTRACT

A process for recrystallizing crude, rod-like or jagged crystals of 3-nitro-1,2,4-triazol-5-one into spheroidal crystals by using low molecular weight alcohols (e.g., methanol, ethanol).

6 Claims, No Drawings