

United States Statutory Invention Registration [19]

71575

[11] Reg. Number: H730

Nock et al.

[43] Published: Feb. 6, 1990

[54] **HYDROXY-TERMINATED COPOLYFORMALS OF FLUORODIOLS WITH NITRODIOLS**

[75] Inventors: Lori A. Nock, Baltimore; Horst G. Adolph, Burtonsville, both of Md.

[73] Assignee: The United States of America as represented by the Secretary of the Navy, Washington, D.C.

[21] Appl. No.: 389,211

[22] Filed: Aug. 2, 1989

[51] Int. Cl.⁴ C08G 2/18

[52] U.S. Cl. 528/244; 568/615

Primary Examiner—John F. Terapane

Assistant Examiner—Chhaya Sayala

Attorney, Agent, or Firm—Kenneth E. Walden; Roger D. Johnson

[57] **ABSTRACT**

Energetic dihydroxy-terminated copolyformals which are formed from formaldehyde and fluorodiol and nitrodiol comonomers where the fluorodiol is HOCH₂CF₂CF₂CF₂CF₂CH₂OH, HOCH₂CF₂CF₂CF₂CH₂OH, HOCH₂CF(CF-

)OCF₂CF₂CF₂CH₂OH, HOCH₂CF₂OCF₂CF₂OCF₂CH₂OH, HOCH₂CH₂(CF₂)₂CH₂CH₂OH, HOCH₂CH₂(CF₂)₄CH₂CH₂OH, HOCH₂CH₂(CF₂)₆CH₂CH₂OH, HOCH₂CH₂(CF₂)₈CH₂CH₂OH, HOCH₂CH₂(CF₂)₁₀CH₂CH₂OH, or mixtures thereof, and the nitro diol is HOCH₂CH₂N(NO₂)CH₂CH₂N(NO₂)CH₂CH₂OH, HOCH₂CH₂N(NO₂)CH₂C(NO₂)₂CH₂N(NO₂)CH₂CH₂OH, HOCH₂C(NO₂)₂CH₂OCH₂OCH₂C(NO₂)₂CH₂OH, HOCH₂CH₂N(NO₂)CH₂C(NO₂)₂CH₂OCH₂OCH₂OCH₂C(NO₂)₂CH₂N(NO₂)CH₂CH₂OH, or mixtures thereof.

10 Claims, No Drawings

A statutory invention registration is not a patent. It has the defensive attributes of a patent but does not have the enforceable attributes of a patent. No article or advertisement or the like may use the term patent, or any term suggestive of a patent, when referring to a statutory invention registration. For more specific information on the rights associated with a statutory invention registration see 35 U.S.C. 157.