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Sitzmann

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(54) **METHOD FOR MAKING
NONANITROTERPHENYL**

OTHER PUBLICATIONS

(75) **Inventor:** **Michael E. Sitzmann, Adelphi, MD
(US)**

Heat Resistant Explosives XIX. An Improved Synthesis of 2,2',2'',4,4',4'',6,6',6''-Nonanitroterphenyl, NONA (C), May 3, 1965, J.C. Dacons, J.C. Hoffsommer, and Francis Taylor, Jr.

(73) **Assignee:** **The United States of America as
represented by the Secretary of the
Navy, Washington, DC (US)**

Primary Examiner—Jafar Parsa

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(74) *Attorney, Agent, or Firm*—Mark Homer

(57) **ABSTRACT**

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The present invention is a method for synthesizing polynitropolyphenyls, and more particularly 2,2',2'',4,4',4'',6,6',6''-nonanitroterphenyl (NONA), that employs only a dihalotrinitrobenzene as a starting material. The general method comprises reacting copper dust with dihalotrinitrobenzene to form a dihalo-polynitropolyphenyl product. This product is then reduced through a high-yield conversion by heating it within a solvent with a reagent capable of providing a source of iodide and a proton source.

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(52) **U.S. Cl.** **568/931; 568/927**

(58) **Field of Search** **568/927, 928,
568/931**

(56) **References Cited**

U.S. PATENT DOCUMENTS

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19 Claims, No Drawings