

- [54] **PROCESS FOR THE PREPARATION OF 1,3,5-TRIFLUORO-2,4,6-TRINITROBENZENE**
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- [58] **Field of Search** 260/646
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[57] **ABSTRACT**

A process for producing 1,3,5-trifluoro-2,4,6-trinitrobenzene by:

- (1) forming a mixture of fuming sulfuric acid and potassium nitrate wherein the fuming sulfuric acid is composed of at least 25 percent by weight sulfur trioxide, and wherein the molar ratio of fuming sulfuric acid to potassium nitrate is from about 2:1 to about 3:1;
- (2) adding 1,3,5-trifluorobenzene to the mixture until the molar ratio of potassium nitrate to 1,3,5-trifluorobenzene is from 6:1 to 10:1, the temperature of the mixture being maintained in the range of from about 30° C. to about 50° C. during the addition;
- (3) then raising the temperature of the mixture into the range of from about 140° C. to about 160° C. where it is maintained until the optimum yield of 1,3,5-trifluoro-2,4,6-trinitrobenzene has been obtained; and
- (4) isolating the product, 1,3,5-trifluoro-2,4,6-trinitrobenzene from the reaction mixture.

3 Claims, No Drawings