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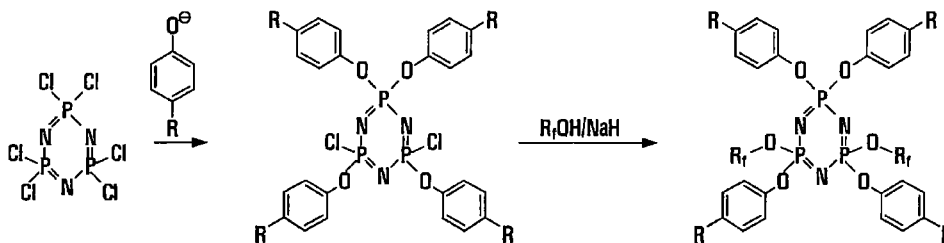
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(54) Title: PHOSPHAZENE COMPOUND, LUBRICANT AND MAGNETIC RECORDING MEDIUM HAVING SUCH COMPOUND, METHOD OF PREPARATION, AND METHOD OF LUBRICATION



(57) Abstract: A compound of the formula: (I) is provided, where R is selected from CF₃, F, and H, and m is an integer from 1 to 22. The compound may be prepared by reacting a first reactant with a second reactant in a solution, where the first reactant is a 2,4-dichloro-2,4,6,6-tetra(aryloxy)-1,3,5-triaza-2,4,6-triphosphorine, and the second reactant is a perfluoropolyether of the formula CF₃CF₂CF₂O(CF₂CF₂CF₂O)_mCF₂CF₂CH₂OH. The aryloxy is selected from 4-(trifluoromethyl)phenoxy (p-CF₃-C₆H₄O), 4-fluorophenoxy (p-F-C₆H₄O), and phenoxy (C₆H₅O). The first reactant may be prepared by reacting 2,2,4,4,6,6-hexachloro-1,3,5-triaza-2,4,6-triphosphorine with a phenoxide. The compound may be used in a lubricant for lubricating a surface. The lubricant may be applied to a recording surface in a magnetic recording device including a recording medium.

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