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Thir et al.

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[54] **FIBER LUBRICANTS YIELDING LOW RESIDUES UPON OXIDATION**

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[58] **Field of Search** 427/389.9; 568/601, 568/603; 428/265, 267, 288, 289, 278

[56] **References Cited**

U.S. PATENT DOCUMENTS

2,786,081	3/1957	Kress	568/601
4,111,819	9/1978	Muijs	427/389.9 X
4,118,326	10/1978	Login	427/389.9 X
4,189,609	2/1980	Langdon	568/601
4,198,464	4/1980	Login et al.	427/389.9 X

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[57] **ABSTRACT**

A linked compound is a useful lubricant for fibers such as nylon and polyester, providing low volatility at a temperature below about 230° C. and by oxidizing, leaving a low level of residue, at temperatures above about 230° C.

23 Claims, No Drawings