

United States Patent [19]

Ariannejad

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[54] **FILLED RESIN COMPOSITIONS AND ARTICLES MADE THEREFROM**

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[51] Int. Cl.⁵ **C08K 7/14; C08K 7/12; C08K 7/04**

[52] U.S. Cl. **523/440; 523/443; 523/444; 523/468**

[58] Field of Search **523/444, 443, 440, 153, 523/468; 524/495, 496**

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[57] **ABSTRACT**

A filled resin composition is provided which is particularly adapted for the formation of wear-resistant, lubricious surfaces. The compositions when formed into integral threads with the bodies of plastic-reinforced pipe provide superior thread action and extended thread life.

The compositions comprise a thermosetting resin such as epoxy resin and hardener, in combination with a filler which in turn comprises ceramic powder, graphite and short fiber lengths. The compositions may vary widely as will hereinafter become apparent.

13 Claims, 1 Drawing Sheet