

[54] **OPTICALLY CLEAR REINFORCED ORGANOSILOXANE COMPOSITIONS**

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[58] **Field of Search** 525/478; 528/15, 31, 528/32

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,284,406	11/1966	Nelson	260/46.5
3,436,366	4/1969	Modic	260/37
4,500,584	2/1985	Modic	428/145
4,529,789	7/1985	Kroupa	525/478

4,535,141 8/1985 Kroupa 525/478

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[57] **ABSTRACT**

The presence of up to about 40 percent by weight of a resinous organosiloxane copolymer consisting essentially of trimethylsiloxy, dimethylvinylsiloxy and SiO₂ units in a diorganovinylsiloxy-terminated polydiorganosiloxane containing at least 95 mol percent of dimethylsiloxy units and having a viscosity greater than about 12 Pa.s at 25 degrees C., unexpectedly decreases the viscosity of the mixture relative to the viscosity of the polydiorganosiloxane. Elastomers obtained by curing these mixtures using an organohydrogensiloxane in the presence of a platinum-containing hydrosilation catalyst are transparent and particularly suitable for fabrication or incorporation into optical devices such as windows, windshields and lenses.

6 Claims, No Drawings