

[54] **CURABLE SILICONE RUBBER COMPOSITIONS**

3,629,359 12/1971 Nitzsche et al..... 260/37 SB X

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[22] Filed: **Nov. 19, 1973**

[21] Appl. No.: **416,790**

[30] **Foreign Application Priority Data**
Nov. 22, 1972 Japan..... 47-116558

[52] **U.S. Cl.**..... **260/37 SB**

[51] **Int. Cl.**..... **C08g 51/04**

[58] **Field of Search** **260/37 SB**

[57] **ABSTRACT**

Curable silicone rubber compositions comprising (1) diorganopolysiloxane gum containing phenyl groups at a ratio of from 0.1 to 1.0 per silicon atom and vinyl groups at a ratio of from 0.001 to 0.05 per silicon atom in its molecules, (2) a cyclic phenylvinyl polysiloxane, (3) a reinforcing silica filler treated with an organosilane or siloxane, having silicon-bonded hydroxyl or hydrolyzable groups, and (4) an organic peroxide as the curing agent. Organosiloxane elastomers prepared from these materials are characterized by unusually high radiation resistance and mechanical strengths.

[56] **References Cited**
UNITED STATES PATENTS
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10 Claims, No Drawings