

Title (en)

ANTIMICROBIAL PRE-VULCANIZED RUBBER COMPOSITIONS AND ANTIMICROBIAL VULCANIZED RUBBER ARTICLES

Title (de)

ANTIMIKROBIELLE VORVULKANISIERTE KAUTSCHUKZUSAMMENSETZUNGEN UND GEGENSTÄNDE AUS ANTIMIKROBIELLEM VULKANISIERTEM KAUTSCHUK

Title (fr)

COMPOSITION A BASE DE CAOUTCHOUC VULCANISE ANTIMICROBIEN ET ARTICLES EN CAOUTCHOUC VULCANISE ANTIMICROBIEN

Publication

**EP 1618144 A4 20070221 (EN)**

Application

**EP 04760221 A 20040326**

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- US 42411203 A 20030425
- US 42320403 A 20030425

Abstract (en)

[origin: WO2004096902A2] Non-silicone rubber articles that exhibit highly desirable long-term effective antimicrobial characteristics are provided. Such articles are in either solid or blown (foam or sponge) state (or combinations of both in multilayered forms) and can be utilized in a variety of applications. This invention utilizes the presence of non-sulfur-based curing systems and agents, such as bisphenols and peroxides, that permit vulcanization and do not irreversibly bind silver ions thereto, thereby resulting in long-term antimicrobial performance of the rubber article. This invention further provides a simple method of producing such an antimicrobial vulcanized non-silicone rubber article. This invention also encompasses certain non-silicone pre-vulcanized raw rubber formulations made from at least a majority by weight of non-silicone rubber that includes silver-based components to provide highly desirable long-term antimicrobial characteristics within the ultimate cured rubber articles made therefrom.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

- [X] US 6455610 B1 20020924 - LEVER JOHN G [US], et al
- [X] WO 02077095 A2 20021003 - MILLIKEN & CO [US]
- See references of WO 2004096902A2

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DOCDB simple family (publication)

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