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Chacko

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(54) **WATERBORNE COMPOSITION EXHIBITING SOUND DAMPING PROPERTY AT LOW AND HIGH FREQUENCIES**

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Related U.S. Application Data

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(51) **Int. Cl.**⁷ **B32B 1/00**

(52) **U.S. Cl.** **428/221; 525/239; 525/241; 524/847; 524/445; 427/447; 427/487**

(58) **Field of Search** **525/221, 241, 525/239; 524/847, 445; 427/447, 487; 428/221**

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(57) **ABSTRACT**

It is disclosed a waterborne composition comprising styrene-acrylic latex having a glass transition temperature (T_g) of from about 0° C. to about 30° C., vinylidene chloride-containing polymer latex and at least one filler. The composition exhibits sound damping property at both low and high frequencies as well as chip resistance and abrasion resistance. The composition is effective for use in the transportation industry, the building industry, the aerospace industry and the appliance industry.

24 Claims, 2 Drawing Sheets

REPEATABILITY OF INSERTION LOSS PERFORMANCE OF THREE TEST SAMPLES (NOMINALLY 2.4 kg/m²) APAMAT TEST METHOD, BALL BEARING EXCITATION

