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(54) Title: SILICA-BASED MATTING FORMULATIONS AND METHODS OF MAKING AND USING THE SAME

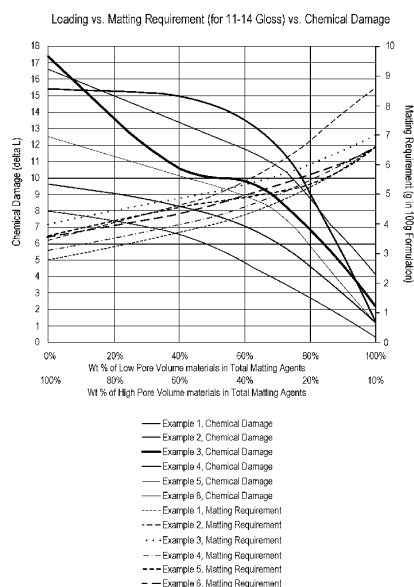


FIG. 1

(57) Abstract: Improved coating formulations containing silica based matting agents in the form of a blend of low pore volume silica particles and high pore volume silica particles are disclosed. The matting formulations are useful in waterborne coating compositions to provide exceptional properties to a coated substrate. Films resulting from the coating formulations containing silica-based matting agents on a substrate unexpectedly provide improved chemical resistance to the surface of the substrate, in particular wood or plastics. Methods of making and using the silica-based matting formulations are also disclosed.

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