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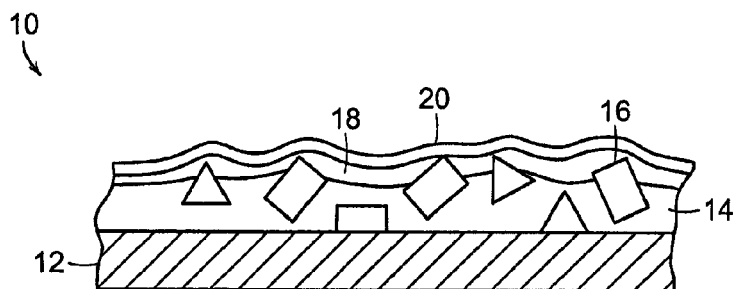


FIG. 1

(57) Abstract: A surface-modified abrasive grain includes an abrasive grain as a substrate, and a film on the grain that includes a relatively hydrophilic silane component and a relatively hydrophobic silane component. The film can be a single film layer or multiple film layers, wherein a film layer most proximal to the abrasive grain has a predominately hydrophilic silane component, and a film layer more distal to the abrasive grain includes predominately a relatively hydrophobic silane component. Coated abra-
sive products and bonded abrasive products include the surface-modified abrasive grains.