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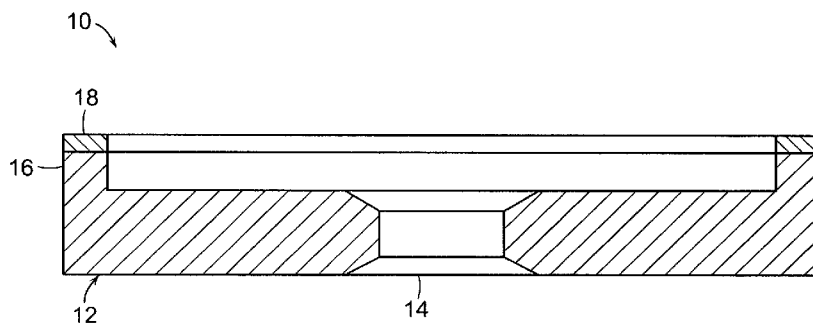
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(54) Title: HIGH POROSITY VITRIFIED SUPERABRASIVE PRODUCTS AND METHOD OF PREPARATION



(57) Abstract: A vitrified superabrasive product includes a superabrasive component and a vitrified bond component in which the superabrasive component is dispersed, wherein the vitrified bond component defines pores occupying greater than about 50% of the total volume of the vitrified superabrasive product. The vitrified superabrasive product can be in the form of a grinding tool, such as a grinding wheel. A superabrasive mixture includes a glass powder, a superabrasive grit, a binder and a silicon carbide. The mixture can be in the form of a green body, which is fired under an atmosphere and pressure, and at a temperature sufficient to form a porous vitrified superabrasive product.

