ABSTRACT

FREE ABRASIVE SLURRY COMPOSITIONS

This invention relates to free abrasive slurries suited for use in polishing workpieces composed of materials varying in hardness, uniformly without selective polishing or working without difference in the amounts of polishing for different materials.

The subject matter of this invention is a free abrasive slurry composition for polishing workpieces in which at least one soft material with a Vickers hardness in the range of 26 to 360 and at least one hard material with a Vickers hardness in the range of 700 to 4000 are mixedly present, comprising a polyol with a molecular weight ranging from 300 to 20000, a polishing powder, a dispersion medium, and optionally a surfactant.

Fig. 4