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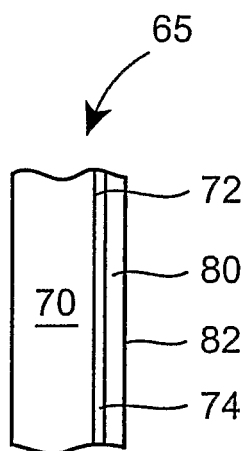
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(54) Title: YTTRIA-COATED CERAMIC COMPONENTS OF SEMICONDUCTOR MATERIAL PROCESSING APPARATUSES AND METHODS OF MANUFACTURING THE COMPONENTS



(57) Abstract: Yttria-coated ceramic components (65) of semiconductor material processing apparatuses include a substrate (70) and at least one yttria-containing coating (80) on the substrate (70). The components (65) are made by applying a first yttria-containing coating (80) on a ceramic substrate (70), which can be a green body of the ceramic material. The coated green body is sintered. The first yttria-containing coating (80) can be treated to remove attached yttria particles resulting from the sintering. In another embodiment, a second yttria-containing coating (90) can be thermally sprayed on the first yttria-containing coating (80) to cover the particles.