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- (54) **Title:** PROCESS KIT WITH PROTECTIVE CERAMIC COATINGS FOR HYDROGEN AND NH₃ PLASMA APPLICATION

- (57) **Abstract:** A method and apparatus for the use of hydrogen plasma treatments is described herein. The process chamber includes a plurality of chamber components. The plurality of chamber components may be coated with a yttrium zirconium oxide composition, such as a Y₂O₃-ZrO₂ solid solution. Some of the plurality of chamber components are replaced with a bulk yttrium zirconium oxide ceramic. Yet other chamber components are replaced with similar components of different materials.

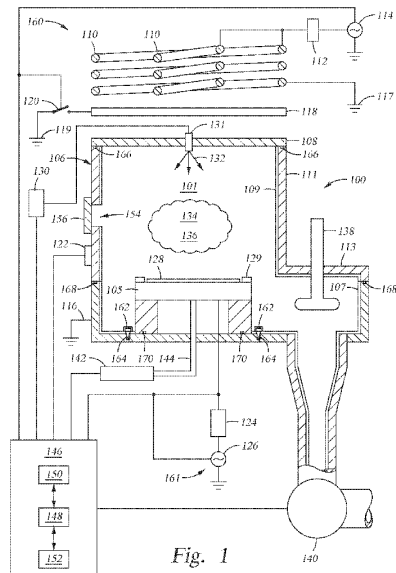


Fig. 1

MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
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