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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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[Continued on next page]

(54) Title: METHOD AND MATERIALS FOR DOUBLE PATTERNING

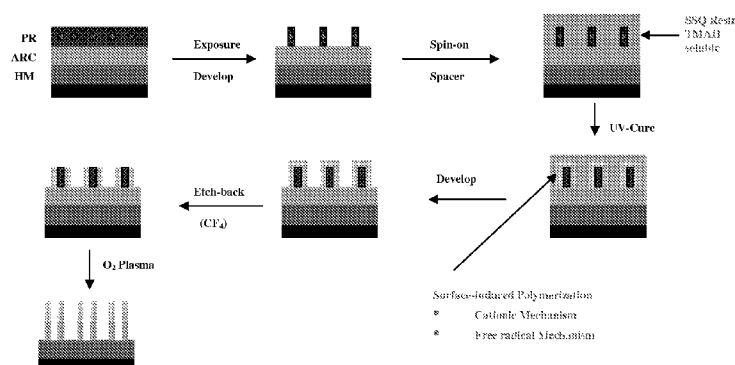


Figure 1

(57) Abstract: A silsesquioxane resin is applied over the patterned photo-resist and cured at the pattern surface to produce a cured silsesquioxane resin on the pattern surface. The uncured silsesquioxane resin layer is then removed leaving the cured silsesquioxane resin on the pattern surface. The cured silsesquioxane resin on horizontal surfaces is removed to expose the underlying photo-resist. This photo-resist is removed leaving a pattern of cured silsesquioxane. Optionally, the new pattern can be transferred into the underlying layer(s).

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