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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))
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(54) Title: METHOD FOR FORMING ANTI-REFLECTIVE COATING

(57) Abstract: A method of forming an antireflective coating on an electronic device comprising (A) applying to an electronic device an ARC composition comprising (i) a silsesquioxane resin having the formula  $(\text{PhSiO}_{(3-x)/2}(\text{OH})_x)_m \text{HSiO}_{(3-x)/2}(\text{OH})_x \text{N}(\text{MeSiO}_{(3-x)/2}(\text{OH})_x)_p$  where Ph is a phenyl group, Me is a methyl group, x has a value of 0, 1 or 2; m has a value of 0.05 to 0.95, n has a value of 0.05 to 0.95, p has a value of 0.05 to 0.95, and  $m + n + p \approx 1$ ; and (ii) a solvent; and (B) removing the solvent and curing the silsesquioxane resin to form an antireflective coating on the electronic device.



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