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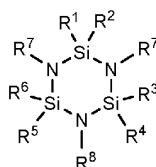
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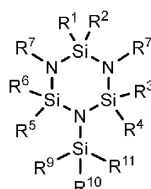
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(54) Title: HALIDE-FUNCTIONALIZED CYCLOTETRISILAZANES AS PRECURSORS FOR DEPOSITION OF SILICON-CONTAINING FILMS



A



B

(57) Abstract: Halide-functionalized cyclotetrasilazane precursor compounds according to Formulae A and B, and methods using the same, for depositing a silicon-containing film such as silicon oxide, silicon nitride, silicon oxynitride, silicon carbonitride, silicon oxycarbonitride, or carbon-doped silicon oxide via a thermal atomic layer deposition (ALD) or plasma enhanced atomic layer deposition (PEALD) process, and combinations thereof.

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