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(54) Title: SILYLETHYNYL PENTACENE COMPOUNDS AND COMPOSITIONS AND METHODS OF MAKING AND USING THE SAME

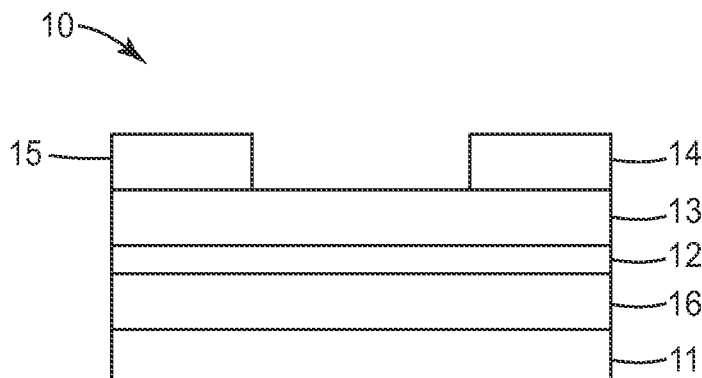


FIG. 1

(57) Abstract: Silylethynyl pentacenes and compositions containing silylethynyl pentacenes are disclosed. Exemplary pentacene compounds have 6, 13 -silylethynyl substitution with one or more groups (e.g., R, R' and R'') covalently bonded to each Si atom of the silylethynyl groups. Methods of making and using silylethynyl pentacenes and compositions containing silylethynyl pentacenes are also disclosed. Substrates and devices comprising the silylethynyl pentacenes and compositions are also disclosed.