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(54) **FLUORESCENT DYES AND RELATED METHODS**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

Fluorescent dyes with affinity for nucleic acids and related methods are provided. Dielectric or semiconducting films including fluorescent dyes with affinity for nucleic acids and related methods are also provided. Coumarin-based surfactants conjugated to the fluorescent dyes with affinity for nucleic acids and related methods are provided. Fluorescent compounds capable of interacting with DNA can be used for a variety of applications.

26 Claims, 1 Drawing Sheet