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(54) **ORGANIC ELECTROLUMINESCENT DEVICES**

(71) Applicant: **Universal Display Corporation**, Ewing, NJ (US)

(72) Inventors: **Michael Fusella**, Lawrenceville, NJ (US); **Nicholas J. Thompson**, New Hope, PA (US)

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(57) **ABSTRACT**

Provided are compounds, formulations comprising compounds, and devices that utilize compounds, where the devices include a substrate, a first electrode, an organic emissive layer comprising an organic emissive material disposed over the first electrode. The device includes an enhancement layer, comprising a plasmonic material exhibiting surface plasmon resonance that non-radiatively couples to the organic emissive material and transfers excited state energy from the organic emissive material to the non-radiative mode of surface plasmon polaritons. The enhancement layer is provided no more than a threshold distance away from the organic emissive layer, where the organic emissive material has a total non-radiative decay rate constant and a total radiative decay rate constant due to the presence of the enhancement layer. At least one of the organic emissive material and the organic emissive layer has a vertical dipole ratio (VDR) value of equal or greater than 0.33.