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(54) Title: LOW POWER CONSUMPTION OLED MATERIAL FOR DISPLAY APPLICATIONS

(57) Abstract: Some embodiments of the present invention are directed to OLED materials useful in display devices and processes for making such OLED materials. The OLED materials may comprise polar compounds integrated with one or more substrates. When the polar compounds are simultaneously cured and exposed to an applied voltage or electric field, the polar compounds may be oriented in the direction of the voltage. Such orientation may result in the light emitted from the OLED material radiating in a single direction. Additional embodiments are directed to a system comprising a display device having a polar light-emitting layer whose dipoles are oriented in a single direction.



WO 2006/007083 A2