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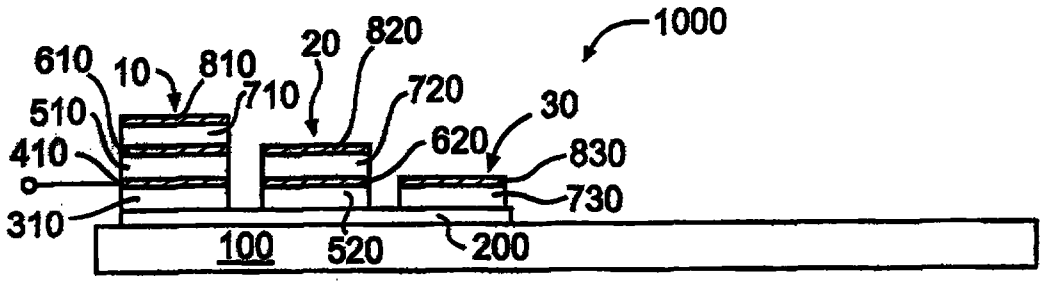
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(54) Title: LASER ABLATION METHOD TO FABRICATE COLOR ORGANIC LIGHT EMITTING DIODE DISPLAYS



(57) Abstract

Laser radiation may be used to ablate organic materials (310, 520 and 730) as well as metals (400, 600 and 800). A method of using such laser ablation to selectively remove organic material and metal material from an organic light emitting device (OLED) work piece (1000) is disclosed. The ablation enables fabrication of multi-color pixels in OLED displays. A novel OLED structure having adjacent multi-colored organic stakes (10, 20 and 30) is disclosed. Further, a novel ablation chamber (900) in which an OLED structure (1000) may be subjected to laser ablation is also disclosed. The ablation chamber includes means for moving an OLED structure within the chamber, means for detecting an ablation endpoint, and means for suctioning ablated material from the chamber.