

10
ABSTRACT

ADDING IMPURITIES TO IMPROVE THE EFFICIENCY OF AL_{0.1}IN_{0.9}GAN QUANTUM WELL

5 An intentional impurity is introduced in a quantum well (QW) LED active region to increase the efficiency of the LED (10) and to increase the emission wavelength beyond that of an undoped QW LED. In addition, an intentional impurity similar to that found in an adjacent layer can reduce the uncontrollable or undesirable effects of impurity diffusion.

(Figure 1)

This Sheet Has Been Replaced

