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(57) Abstract :

The present disclosure relates to liquid crystal display devices, and more specifically, to a method for forming vertically aligned liquid crystal display devices. An aspect of the present disclosure relates to a liquid crystal display (LCD) (100). The LCD (100) includes two Indium tin oxide (ITO) substrates (104-1, 104-2) sandwiching a mixture of Zinc Oxide (ZnO) nanoparticles (NPs) (108) doped nematic liquid crystal (LC) (106) of a positive or a negative dielectric anisotropy.

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