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Formation of Porous Layers with Different Morphologies during Anodic Etching of n-InP

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Abstract

Two different morphologies of porous layers were observed in (100)-oriented anodically etched in an aqueous solution of . At high current density anodization leads to the formation of so-called current-line oriented pores. When the current density decreased to values lower than the morphology of the porous layers sharply changed and the pores began to grow along definite 111 crystallographic directions.