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Abstract

Dielectric having a barrier effect against copper diffusion

The invention relates to novel poly-o-hydroxyamides which can be cyclized to give polybenzoxazoles which have a good diffusion barrier effect with respect to metals. The poly-o-hydroxyamides can be applied to a semiconductor substrate by customary techniques and converted into the polybenzoxazole in a simple manner by heating. Owing to the good barrier effect with respect to diffusion of metals, a diffusion barrier between conductor track and dielectric can be substantially dispensed with.

Fig. 1



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