

Cell Membrane of Biologic Cells for Gate Dielectric Application

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Abstract

In the future, according to the continuous scaling down of device, the thickness of gate oxide has to be reduced. The thickness of gate oxide will be decreased to the limitation. It has been investigated into the feasibility of the biological cell, in order to substitute for the gate dielectric. Then it is experimented with the relationship between the cell and the electric field.

Keyword : Keywords: gate oxide, biological cell, and dielectric