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ABSTRACT

1 SEMICONDUCTOR DEVICE AND METHOD FOR PRODUCING THE SAME

There is provided a semiconductor device with
very small functional elements, which can be constructed
by necessary minimum components without any unnecessary
5 surface area, thus being capable of significantly
reducing the layout area and adapted for achieving a
fine geometry and a high level of integration. The
semiconductor device is provided with a first
semiconductor area of a first conductive type (for
10 example a p⁻ well) and a second semiconductor area formed
on or under the first semiconductor area and having a
second conductive type different from the first conductive
type (for example a source or drain area), in which an
electrode electrically connected to the first semiconductor
15 area is formed through the second semiconductor area, and
the first and second semiconductor areas are shortcircuited
by the above-mentioned electrode.

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