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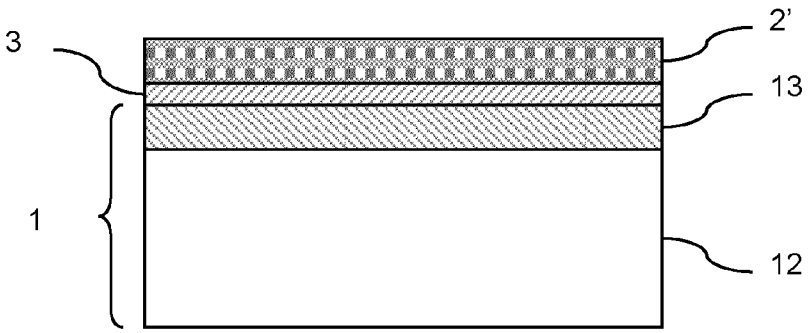


FIG. 2

(57) Abstract: The invention relates to an electronic device for radio frequency or power applications, comprising a semiconductor layer supporting electronic components on a support substrate, wherein the support substrate(1) comprises a base layer (12) having a thermal conductivity of at least 30 W/m K and a superficial layer (13, 4) having a thickness of at least 5 µm, said superficial layer (13, 14) having an electrical resistivity of at least 3000 Ohm.cm and a thermal conductivity of at least 30 W/m K. The invention also relates to two processes for manufacturing such a device.

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