

Title (en)

METHOD FOR PRODUCING A CAPACITOR INCLUDING AN ARRAY OF NANOCAPACITORS

Title (de)

VERAHREN ZUR HERSTELLUNG EINES KONDENSATORS MIT EINER ANORDNUNG AUS NANOKONDENSATOREN

Title (fr)

PROCEDE DE REALISATION D'UN CONDENSATEUR COMPRENANT UN RESEAU DE NANO-CAPACITES

Publication

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Application

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Abstract (en)

[origin: WO2012014177A1] The invention relates to a method for producing a capacitor including an array of nanocapacitors, in which the following steps are performed using a mould having a sealed surface, referred to as the lower surface, and a top surface through which a network of pores extend: (a) filling the pores of the mould and covering the top surface of said mould with an electrically conductive material, in order to form a structure consisting of an array of nanoscale objects connected by a single substrate; (b) removing the mould; (c) depositing, on the outline of the structure (204) obtained at the end of step (b), at least one bilayer consisting of a first layer of an electrically insulating material (205) and a second layer of an electrically conductive material (207); and then (d) locally removing said at least one bilayer deposited in step (c) from the substrate (202) in order to form the electrical contact.

IPC 8 full level

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Citation (search report)

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