

ABSTRACT

This invention relates to a method for producing an anodic member for a lithium-ion secondary battery. The anodic member is produced from a colloidal suspension having aggregates or agglomerates of monodisperse nanoparticles of a conductive material of lithium ions having an average primary diameter of between 5 nm and 100 nm, and has a mesoporosity between 35% and 70% by volume. This anodic member may be used in lithium-ion microbatteries. During its first charging, the metallic lithium precipitates in the mesopores of the anodic member and forms the anode.

Fig. 3