

ABSTRACT

A composite separator, a method for preparing a composite separator, and a battery, the composite separator comprising: a base film, a first nanofiber layer, and a ceramic powder; wherein the first nanofiber layer is located on a first side of the base film; the ceramic powder forms a first ceramic coating located between the first nanofiber layer and the base film, or the ceramic powder is added to the first nanofiber layer.

(FIG. 1)