

ABSTRACT

The present invention provides a battery, a separator for a battery and a method for preparing the separator, where the separator for a battery includes a base film and a coating structure disposed on the base film, the coating structure includes a plurality
5 of material layers, and each material layer contains one-dimensional nanomaterials, and average lengths of one-dimensional nanomaterials in respective material layers are decreased layer by layer in a direction away from the base film.

FIG. 1