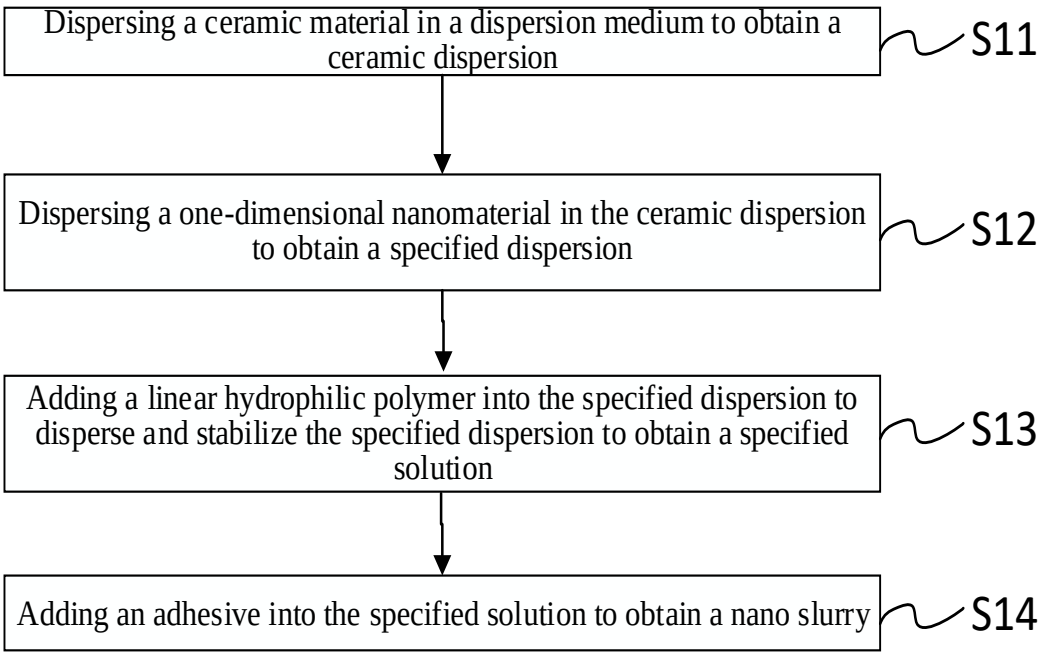

Dispersing a ceramic material in a dispersion medium to obtain a ceramic dispersion
S11
Dispersing a one-dimensional nanomaterial in the ceramic dispersion to obtain a specified dispersion
S12
Adding a linear hydrophilic polymer into the specified dispersion to disperse and stabilize the specified dispersion to obtain a specified solution
S13
Adding an adhesive into the specified solution to obtain a nano slurry
S14

FIG. 1

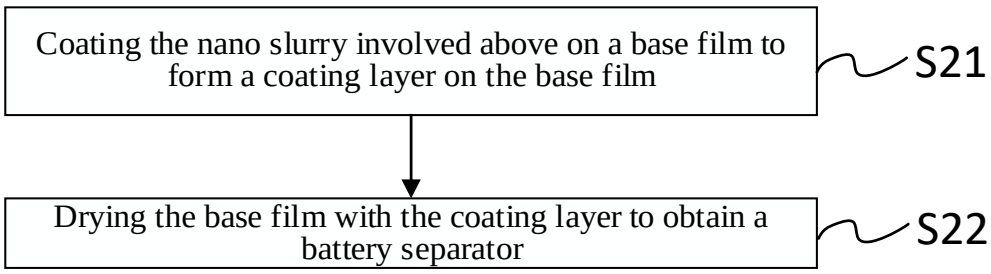

Coating the nano slurry involved above on a base film to form a coating layer on the base film
S21
Drying the base film with the coating layer to obtain a battery separator
S22

FIG. 2