

METHODS FOR PREPARING COMPOSITION, SHEET COMPRISING THE COMPOSITION AND ELECTRODE COMPRISING THE SHEET

Methods for preparing an electrode comprise: providing a mixture of carbon particles and a solvent and shearing the mixture to form a dispersion of the carbon particles in the solvent; adding non-fibrillated poly(tetrafluoroethylene) to the dispersion to provide a resultant mixture and shearing the resultant mixture until at least a portion of the poly(tetrafluoroethylene) has been fibrillated; processing the resultant mixture into a sheet; and attaching the sheet onto a current collector. Methods for preparing sheet for the electrode and composition for the sheet are also provided.

Figure 1