

ABSTRACT OF THE DISCLOSURE

The invention discloses a moldable electrode and its preparation method, and an aqueous sodium battery and its preparation method. The moldable electrode of the present invention is a stable mixture of active material and electrolyte, wherein the electrolyte is locked in the moldable electrode, so that the ion diffusion path is reduced when the battery is being charged or discharged, while ion resistance and electronic resistance are greatly reduced, resulting in high output rate. The assembly of the battery is completed simultaneously with the preparation of the electrode, without the need for electrolyte injection, thereby simplifying the preparation process of the battery.

FIG. 1 Accompanies Abstract