

ABSTRACT

An alkaline battery includes a positive electrode mixture, a negative electrode, and a separator interposed between the positive electrode mixture and the negative electrode. The positive electrode mixture contains a nickel oxyhydroxide, manganese dioxide and a conductive agent. (1) The nickel oxyhydroxide includes at least manganese dissolved therein, and the manganese accounts for 0.5 to 10 % by mole of the total amount of metal elements contained in the nickel oxyhydroxide. (2) The nickel oxyhydroxide mainly has a β -type crystal structure. (3) The nickel oxyhydroxide has a volume-basis mean particle size of 8 to 15 μm . The use of this positive electrode mixture makes it possible to heighten the capacity of the alkaline battery and improve its storage characteristics. Also, the above-mentioned properties of the nickel oxyhydroxide including manganese enable a significant improvement in the productivity of the nickel oxyhydroxide.