

ABSTRACT

TITLE OF INVENTION: CYLINDRICAL ALKALINE BATTERY

A cylindrical cell is disclosed which is so constructed that an insulating ring (12) is seated on the outside of the sealed part of the opening part of a cell case (1), the terminal face of a negative electrode plate (9) is depressed below the outer face of a facing label (10) covering the insulating ring (12), and a gas discharge hope (8) formed in the negative electrode plate (9) is concealed with the insulating ring (12). This construction prevents the cell from allowing flow of a current to an adjacent cell and consequently from being charged by the adjacent cell. Since the cell uses a thermally shrinkable insulating facing member, it enjoys improved reliability of the outer covering. Even if a plurality of such cells of the construction described above are used as arranged in series and part of the cells are erroneously connected with the direction of polarity thereof reversed to the remaining cells, the possibility of the reversely connected cells allowing flow of current to the remaining cells and consequently being charged by the remaining cells will be precluded and the possibility of the device in use being smeared or harmed by the electrolyte otherwise suffered to leak when the reversely connected cells are charged by the remaining cells will be eliminated.

Figure 1.