

EXPANDABLE BATTERY COMPARTMENT

ABSTRACT

In a battery-powered electrical device, an expandable battery
5 compartment for accommodating batteries of varying size, and a method for altering
the size of the battery compartment, is disclosed. The battery compartment includes
a battery casing defining a substantially cylindrical recess for at least partially
encapsulating a battery. The recess has an open end for receiving a battery and a
closed end. A first electrical contact element is positioned on or adjacent the closed
10 end of the recess for contacting a terminal of a battery. A cover is configured to be
releasably mounted to the open end of the recess for selectively concealing the open
end and defining the battery compartment. A second electrical contact element is
provided for contacting an opposing terminal of the battery. The second electrical
contact element is selectively positionable at multiple locations on the cover to
15 accommodate batteries of varying size within the battery compartment.

Figure 1A