CLAIMS

What is claimed is:

1. A powered appliance comprising: a handle (12) comprising an upper (12a) part and a lower part (12b), the lower part comprising a battery shell (16) with one or more engagement members (18) wherein the battery shell (16) is retarded when detached from the upper part (12a) of the handle (12),wherein each of said one or more engagement members comprise one or more engagement springs, and wherein said one or more engagement springs further comprise at least one knob having a first curved profile, wherein said at least one knob is engaged with one or more recesses, one or more protrusions, or any combination thereof, wherein said upper part (12a) of the handle (12) further comprises a battery carrier having one or more engagement structures, wherein said one or more engagement members and said one or more engagement structures are axially aligned along a longitudinal axis of the handle (12), wherein said one or more engagement structures further comprises one or more protrusions, one or more recesses, or any combination thereof wherein each of said one or more protrusions have a second curved profile and each of said one or more recesses has a third recessed surface, wherein said battery shell (16) traverses linearly along a longitudinal axis of the handle (12) during detachment wherein said retarded detachment provides a force against battery shell (16) movement, wherein said retarded detachment is provided by said one or more engagement springs remaining in contact with said one or more engagement structures.

2. The powered appliance of claim 1 wherein said first curved profile of at least one knob is engaged with said second curved profiles of said one or more protrusions, said third surfaces of said recesses, or any combination thereof.

3. The powered appliance of claim 1 wherein said one or more engagement members do not provide electrical contact with a battery disposed in said battery carrier.

4. The powered appliance of claim 1 further comprising a battery disposed in said battery carrier to drive power to a component of said appliance wherein said appliance is a razor, toothbrush, facial device, or flashlight.

5. The powered appliance of claim 1 wherein said at least one knob has a height ranging from about 0.3mm to about 0.7mm and a radius ranging from about 0.3mm to about 0.6mm, or any combination thereof and wherein said protrusions have a height ranging from about 0.2mm to about 0.6mm, a radius ranging from about 0.04mm to about 0.5mm, and a distance between a first protrusion and a second protrusion ranging from about 1.5mm to about 2mm, or any combination thereof.

6. The powered appliance of claim 1 wherein said at least one knob is disposed on an elongated arm portion of said one or more engagement members and wherein said arm portion comprises at least one angled portion.

7. The powered appliance of claim 6, wherein adjacent said at least one knob is at least one flat area.

8. The powered appliance of claim 6 wherein said at least one angled portion comprises an aperture.