I/We Claim:

1. A switch, being a fixed product and comprising a control modular assembly (200) comprising:

a base housing (203) adapted to carry an operating member for controlling the switch and formed with a base housing notch (206) at an edge of the base housing (203);

a first battery (100) being rechargeable and operable to be detachably mounted in the base housing (203) through the base housing notch (206), thereby supplying electric power to the operating member; and

a second battery (205) arranged within the base housing (203) to supply electric power to the operating member when the first battery (100) is taken out of the control modular assembly (200), wherein the second battery (205) is charged by the first battery (100) when the first battery is mounted in the base housing and when the second battery needs to be charged.

2. The switch of claim 1, wherein the control modular assembly further comprises a metal sheet (207) provided on the base housing (203) and arranged to contact the first battery (100) when the first battery (100) is mounted in the base housing (203) and the metal sheet (207) being coupled to the second battery (205), thereby achieving electrical coupling of the first battery (100) with the second battery (205).

3. The switch of claim 2, wherein an elastic rolled rim is formed at an edge of the metal sheet (207), a limiting structure (104) is formed at an edge portion of the first battery (100) facing the metal sheet (207) , and when the first battery (100) is mounted in the base housing (203), the elastic rolled rim abuts against the limiting structure (104) and thus is loaded with a force, so that the first battery (100) is retained in the base housing (203).

4. The switch of claim 3, wherein the limiting structure (104) is of a stepped structure that extends along an entire length of the edge portion of the first battery (100).

5. The switch of claim 1, wherein an elastic member is formed on the base housing (203), a limiting structure (104) is formed at an edge portion of the first battery (100) facing the elastic member, and when the first battery (100) is mounted in the base housing (203), the

elastic member abuts against the limiting structure (104) and thus is loaded with a force, so that the first battery (100) is retained in the control modular assembly (200).

6. The switch of claim 3, wherein the first battery (100) is released through being pressed to disengage the elastic rolled rim from the limiting structure (104) when the first battery (100) is mounted in the base housing (203), so that the first battery (100) can be taken out of the control modular assembly (200).

7. The switch of claim 5, wherein the first battery (100) is released through being pressed to disengage the elastic member from the limiting structure (104) when the first battery (100) is mounted in the base housing (203), so that the first battery (100) can be taken out of the control modular assembly (200).

8. The switch of any of claims 1-7, further comprising a panel (202) adapted to cover the base housing (203) and detachably connected with the base housing (203).

9. The switch of claim 8, wherein a panel notch (204) is formed at a position of the panel (202) corresponding to the base housing notch (206), and a recess (102) is formed on the first battery (100) and aligned with the panel notch (204), so that the first battery (100) can be taken out of the control modular assembly (200) by means of a tool that passes through the panel notch (204) and enters into the recess (102).

10. The switch of claim 8, wherein the first battery (100) can be directly taken out of the control modular assembly (200) when the panel (202) is disengaged from the base housing (203).

11. The switch of any of claims 1-7 and 9-10, wherein when the first battery (100) is mounted in the base housing (203), a surface of the first battery adjacent to the base housing notch (206) is coplanar with an edge of the base housing on which the base housing notch (206) is formed.