Building Block Sheet and Building Block Set

Abstract

The present invention provides a building block sheet and a building block toy. The building block sheet includes a shell, an electrical connection assembly and a functional assembly. Since the electrical connection assembly includes a positive electrode conductive frame, positive electrodes, a negative electrode conductive frame and negative electrodes, the functional assembly is in contact with the positive and negative electrode conductive frames respectively to achieve electrical connection, and the positive electrodes and the negative electrodes are respectively exposed through corresponding notches formed in the shell, a plurality of building block sheets can be electrically connected to each other through contact between the positive and negative electrodes thereof after being assembled together. Electrical components in each building block sheet are powered by the positive and negative electrode conductive frames, which can reduce or even completely eliminate the use of conductive wires, and can also reduce or even avoid electrical contacts such as solder joints accordingly, so that the internal electrical connection structure of the building block sheet is simple and reliable. The electrical connection structure is not prone to failure even in the event of collision, dropping or the like during play. Furthermore, the building block sheet is also easier to assemble, which can improve production efficiency.

Fig 1.