

ABSTRACT

A beverage bottle sorting mechanism and a sorting and recycling device are provided. The beverage bottle sorting mechanism includes a frame and further includes a first sorting member and a second sorting member mounted side by side on the frame, a driving member is further provided on the frame, and the driving member is connected to the first sorting member and the second sorting member by transmission for driving the first and second sorting members to rotate and execute first, second, and third sorting stations. Compared to a conventional sorting mechanism that can shift materials in only two directions for sorting using a single sorting plate, the invention can adjust three sorting stations, achieve three sorting positions in the middle and on the left and right sides of two sorting members, and shift three types of beverage bottles to different positions according to recognition results of the previous process.

Fig. 1