

CONVEYING AND SORTING APPARATUS

ABSTRACT

This conveying and sorting apparatus, which can be used as an apparatus for conveying and sorting luggage in airports, comprises a plurality of tilting conveyor units provided in a row in the conveying direction. Each tilting conveyor unit is supported so as to be able to swing to the left and right about a support shaft which is horizontal to the conveying direction of the objects being conveyed, between a horizontal conveying orientation and a tilted orientation for ejecting objects being conveyed, by means of gravity, in a lateral direction with respect to the conveying direction of objects being conveyed. Both side edges in the left and right swinging direction are provided with side guides 25a which restrict the width of the conveying path when the tilting conveyor units are in the horizontal orientation, and at least the side guide 25a on the side to which the conveyor unit swings in the tilted orientation, is supported so as to be able to open in the swinging direction towards the tilted orientation with respect to the structure 23 of the tilting conveyor unit, and is held in a standing orientation by the orientation holding means 51 until a certain load or more is applied in to said side guide 25a in the opening direction.

(FIG. 8)