

ABSTRACT

FLOOR DOOR APPARATUS FOR ELEVATOR SYSTEM

An improved floor door apparatus for an elevator system which is capable of preventing a floor door from being opened by an external force during the operation of an elevator, for thus preventing an accident. The apparatus includes first and second doors slidably inserted between the first and second columns, a counterweight disposed beside the first column, a plurality of brackets spacedly disposed on an upper portion of the first door, a plurality of sprockets spacedly disposed in a lower portion of the second door, a strike disposed in the first door for being locked by a locker disposed in the second column, a wire rope one end of which is connected to the counterweight and the other end of which is connected to an upper portion of the first door, and a chain one end of which is connected to the frame, and the other end of which is connected to the bracket disposed in the first door through the sprockets.

(Figure 5)

THIS SHEET HAS BEEN
REPLACED

This Sheet Has Been Replaced

