



EJECTION OUTLET ACTUATOR FOR AUTOMATIC FIRE EXTINGUISHER

ABSTRACT OF THE DISCLOSURE

Disclosed is an ejection outlet actuator for an automatic fire extinguisher that automatically actuates an ejection outlet of an automatic fire extinguisher so as to eject a fire extinguishant from the fire extinguisher in detecting a fire. In the ejection outlet actuator for the automatic fire extinguisher, an interlocking gear installed on a side of a shaft provided with a feed screw portion formed in the crosswise direction is toothedly engaged with a driving gear installed on the axis of the motor so that the driving gear and the interlocking gear are sequentially operated, a feed nut toothedly engaged with the feed screw portion is installed on the feed screw portion of the shaft so that the feed nut moves forward and backward by the regular and reverse rotation of the shaft, and an operating link contacting a push rod installed on the upper surface of the operating pin of the ejection outlet is connected to the feed nut so that the operating link is rotated by the forward and backward movement of the feed nut, and then compresses the operating pin of the ejection outlet, thereby effectively transmitting the power of the motor to the shaft, maximizing assembling efficiency and productivity of the actuator, minimizing load applied to the motor and other parts, and lengthening the expected life span of the actuator.

Figure 1

