HIGH-RISE EMERGENCY ESCAPE DEVICE

ABSTRACT OF THE DISCLOSURE

A high-rise escape device includes a handgrip forming a first channel, and a handle pivoted to the handgrip and rotatable with respect to the handgrip between a locked position and a released position. The handle forming a second channel, which forms, together with the first open channel, a gap having a predetermined size to define a passage for the rope with a predetermined friction induced between the channels and the rope when the handle is at the locked position. An emergency escape system includes a rope extending from a high-rise building to the ground with a buffering member slidably fit over the rope. The escape device is coupled to the rope by pinching the rope between the first and second channels. A belt surrounds and secures a user to the escape device, whereby the user is allowed to slide down along the rope with a controlled speed for safely reaching the ground.

Fig. 1

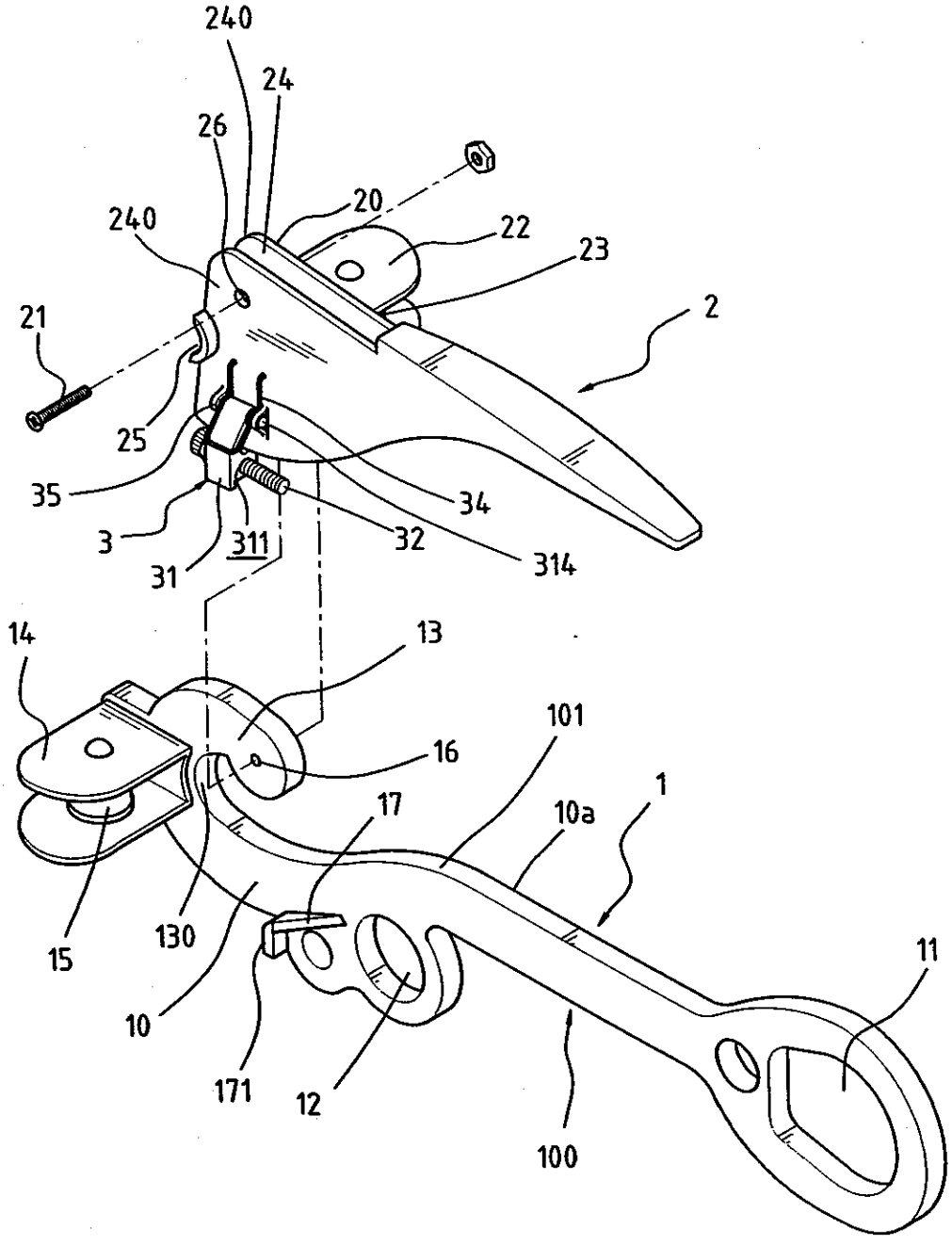

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FIG. 1