

ABSTRACT OF THE DISCLOSURE

A self-propelled emergency escape ladder erected through the inside or outside of a tall building is disclosed to include a gravity deceleration device, a drive unit with two roller chain loops
5 connected to the gravity deceleration device and bearing seats mounted to the roller chain loops for carrying escape persons. The weight of the escaped persons is used to drive the roller chain loops and the bearing seats to move down. The gravity deceleration device is used to slow down the descending speed of the bearing
10 seats with the escaped persons. The descending speed within the load-bearing range is constant and stable to achieve stable and reliable escape. It ensures the purpose of safe escape for the public and people with disabilities on the high floors.