

BRAKE SHOE FOR ELEVATOR EMERGENCY STOP, DEVICE FOR
ELEVATOR EMERGENCY STOP AND ELEVATOR WITH EMERGENCY
STOP FUNCTION

ABSTRACT OF THE DISCLOSURE

The brake shoe for elevator emergency stop has a heat resistance to a temperature that exceeds 1000°C as well as a stabilized high coefficient of friction and an excellent seizure-resistance to rails even under the condition of high speed and high stress. This brake shoe for elevator emergency stop comprises a brake body having a braking face and (b) plurality of braking pieces embodied in the braking face side of the brake body to be projected from the braking face. The projection of each of the braking pieces forms a column or a multi-cornered pole having rounded corners. The braking pieces are made of a composite material containing a ceramic base material selected from the group consisting of silicon nitride, silicon carbide and sialon, and particles of at least one ceramic material selected from the group consisting of a carbide, a nitride and a boride. The ceramic particles have a particle size in the range of 10 to 150 μm , and dispersed into the ceramic base material.

Fig. 1

THIS SHEET HAS BEEN
REPLACED

This Sheet Has Been Replaced

