

Safety equipment for a lift installation as well as a lift installation with such safety equipment

Abstract

Safety equipment for a lift installation (10) with an upper lift cage (A1) and a lower lift cage (A2), which are both movable substantially independently along a vertical direction in a common lift shaft (11) of the lift installation (10). The safety equipment comprises a first electro-optical detection system (20) with a first light source (21) in a lower region of the upper lift cage (A1) and with a first detector (22, 24), which comprises a light-sensitive first sensor region (22) in an upper region of the lower lift cage (A2). The first light source (21) issues a focussed first light beam (L1) at a first angle (W1) with respect to the vertical direction. The first angle (W1) is so predetermined that on approach of the upper and the lower lift cages (A1, A2) the first light beam (L1) is incident on the first sensor region (22) and thus is detectable by the first detector (22, 24). In this case, the first detector (22, 24) triggers a reaction (R2).

(Fig. 2)