

Method of preventing collision of two lift cages movable in the same shaft of a lift installation, and corresponding lift installation

Abstract

Method of preventing a collision of two lift cages (A1, A2) of a lift installation, which cages move substantially independently of one another in a common shaft, and a lift installation. A collision protection system (20) produces a retardation of each moved lift cage (A1, A2) by a stopping brake as soon as the effective distance between the lift cages (A1, A2) falls below a critical minimum distance. After retardation of the cages (A1, A2) by the stopping brakes, an emergency stop system comes into function. A control system of this emergency stop system ascertains the instantaneous movement state of the lift cages (A1, A2). With the help of cage brakes, which are associated with the lift cages (A1, A2), an additional retardation of each moved lift cage (A1, A2) is triggered when the movement state thereof fulfils definable emergency stop criteria.

(Fig. 2)