

Abstract

An elevator system (1) for a building (10) under construction, having an elevator shaft (2) which becomes taller as the building height increases over the course of the construction phase of the building, comprises a self-moving construction-phase elevator cab (4) which is guided on at least one guide rail section (3) for conveying persons or goods for the duration of the construction phase of the building, an assembly platform (6) which is arranged above the construction-phase elevator cab (4) and from which the at least one guide rail section (3) can be elongated upwards in a rail assembly phase, an upper protection platform (5) which is temporarily fixed or can be temporarily fixed in the elevator shaft (2) and on which the assembly platform (6) can be suspended via a cable-based lifting device (8) or is suspended in the rail assembly phase, a lower protection platform (7), wherein the assembly platform (6) can be moved between the upper protection platform (5) and the lower protection platform (7) in a vertical direction by means of the lifting device (8) during the rail assembly phase, and a docking device (9) for temporarily suspending the construction-phase elevator cab (4) on the lower protection platform (7) in order to secure the construction-phase elevator cab (4) for evacuations, said construction-phase elevator cab (4) being connectable to the lifting device (8) via the docking device (9).

(Fig. 1)