

Abstract

A method for forming and smoothing a hollow-profile guide rail (101) of an elevator system is proposed, which method comprises the use of a smoothing apparatus (1). The
5 smoothing apparatus (1) is designed to smooth mutually opposing surfaces (109, 111) on a hollow-profile guide rail (101) of an elevator system. The smoothing apparatus (1) comprises a guide device (3), a removal device (5) and a pressing device (7). The guide device (3) is designed, for example by means of rollers (15), to be moved in a low-friction manner in a longitudinal direction (9) along a first (109) of the opposing surfaces
10 (109, 111) and to thus guide the smoothing apparatus (1) along the first surface (109). The pressing device (5) is designed, for example by means of spring elements (21), to press the removal device (7) away from the guide device (3) and toward a second (111) of the opposing surfaces (109, 111). The removal device (5) is designed, for example by means of a rasp element (25), to remove material from the second surface (111) during a
15 movement in the longitudinal direction (9) along the second surface (111).

(Fig. 2)