

Abstract

5 A method and a device (41) are described, with the aid of which, in particular as part of modernisation measures, structural components (26) of a bearing structure (2) of an escalator (1) or moving walkway can be measured without specialised personnel having to carry out precise measurements in situ. The method comprises the following steps:

10 fixing an image recording device (43) such as for example a 3D scanner or a TOF camera on a conveying means (13) of the escalator (1);

removing at least one of the tread units (7) of the escalator (1) in order to enable visual access (49) to structural components (26) beneath it, which have to be measured;

moving, in a revolving manner, the conveying means (13) together with the image recording device (43) fixed thereto at least over partial areas of a travel path (5);

15 recording image recordings of the structural components (26) to be measured by means of the image recording device (43) from a number of positions along the travel path (5); and

generating a 3D model at least of partial area of the structural components (26) of the bearing structure (2) based on the recorded image recordings.

Using the 3D model experts can then measure dimensions and spatial arrangements of structural components (26) without having to be in person at the actual location.

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(Fig. 1)