

Title (en)
ESCALATOR OR MOVING WALKWAY WITH A SOFFIT PLATE

Title (de)
FAHRTREPPE ODER FAHRSTEIG MIT EINEM UNTERSICHTBLECH

Title (fr)
ESCALIER MÉCANIQUE OU TAPIS ROULANT AVEC UNE TÔLE INFÉRIEURE

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Abstract (en)
[origin: WO2013029979A1] The invention relates to an escalator (1) or moving walkway, which has a supporting structure (5) and sheet material that can be seen from below (11, 12, 13, 14, 15) delimited in the two-dimensional extent thereof by lateral edge regions. A first lateral edge region (11.1, 12.1, 13.1, 14.1, 15.1) of the sheet material that can be seen from below (11, 12, 13, 14, 15) is firmly connected to the supporting structure (5, 35, 45). Furthermore, the sheet material that can be seen from below (11, 12, 13, 14, 15) is preloaded with a predefined preloading force between the first lateral edge region (11.1, 12.1, 13.1, 14.1, 15.1) and a second lateral edge region (11.2, 12.2, 13.2, 14.2, 15.2, 15.3) opposite the first lateral edge region (11.1, 12.1, 13.1, 14.1, 15.1). In order to obtain the preload, the second lateral edge region (11.2, 12.2, 13.2, 14.2, 15.2, 15.3) is firmly connected to the supporting structure (5, 35, 45), wherein, as a result of obtaining the preloading force, the rigidity of the supporting structure (5) is increased and, during operation of the escalator (1) or the moving walkway, noise is reduced.

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Cited by
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