in such a way as to be shifted a half pitch from each of the convex sections of the riser, and the shock absorbing cleat is made from a polymeric material having a Young's modulus of 1,000 MPa or less.

An escalator step of another embodiment of the present invention is characterized by including: a tread that includes a body section where a plurality of convex sections, which are parallel in a travelling direction, are arranged in a width direction; a riser that is coupled at a rear end portion of the body section of the tread and on which a plurality of convex sections are arranged in a width direction, with troughs being formed between adjacent convex sections; and a shock absorbing cleat that is provided in a notch which is formed in a corner portion where the riser and the tread are coupled together, wherein, on the shock absorbing cleat, a plurality of convex sections, which are parallel in a travelling direction, are arranged in a width direction, rear end surfaces are flush with troughs of the riser, each of the convex sections of the shock absorbing cleat is disposed in such a way as to be shifted a half pitch from each of the convex sections of the riser, length of each of

the convex sections of the shock absorbing cleat is set at between 15 mm and 45 mm, thickness of each of the convex sections is set at between 2 mm and 4 mm, and distance between the convex sections is set at between 5 mm and 7 mm, and height of each of the convex sections is set at between 10 mm and 15 mm, and the shock absorbing cleat is made from a polymeric material having a Young's modulus of 1,000 MPa or less.

An escalator of an embodiment of the present invention is characterized by including a step that includes: a tread that includes a body section where a plurality of convex sections, which are parallel in a travelling direction, are arranged in a width direction; a riser that is coupled at a rear end portion of the body section of the tread and on which a plurality of convex sections are arranged in a width direction, with troughs being formed between adjacent convex sections; and a shock absorbing cleat that is provided in a notch which is formed in a corner portion where the riser and the tread are coupled together, wherein, on the shock absorbing cleat, a plurality of convex sections, which are parallel in a travelling direction, are arranged in a width direction, rear end surfaces are flush with

troughs of the riser, each of the convex sections of the shock absorbing cleat is disposed in such a way as to be shifted a half pitch from each of the convex sections of the riser, and the shock absorbing cleat is made from a polymeric material having a Young's modulus of 1,000 MPa or less.

According to embodiments of the present invention, it is possible to provide, at low cost, a safe escalator that can reliably prevent a passenger from suffering a serious injury even when he or she falls down and hits his or her head against a step corner and that does not encourage falling of the passenger even in a normal use state by a simple production step of mold processing of a polymeric material.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. 1 is a side view illustrating an escalator step;

FIG. 2 is a partially cut perspective view partially illustrating a vicinity of a corner of the escalator step;

FIG. 3 is a partially cut exploded perspective view illustrating the vicinity of the corner of the escalator step;

FIG. 4 is a perspective view of the shock absorbing cleat according to the first embodiment