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Novacek et al.

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(54) **ESCALATOR HAVING STEP TREADS THAT INTERENGAGE IN THE RETURN RUN**

(71) Applicant: **INVENTIO AG**, Hergiswil (CH)

(72) Inventors: **Thomas Novacek**, Schwechat (AT);
Kurt Streibig, Rekawinkel (AT)

(73) Assignee: **Inventio AG**, Hergiswil (CH)

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(58) **Field of Classification Search**

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See application file for complete search history.

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Primary Examiner — Timothy R Waggoner

Assistant Examiner — Lester III Rushin

(74) *Attorney, Agent, or Firm* — Knobbe Martens Olson & Bear LLP

(57) **ABSTRACT**

An escalator is described that is designed in an installation space-saving manner and can be operated with low wear. The escalator has a plurality of treads and a guide-rail assembly to guide the treads during a return run. Each tread front intermeshing structure and a rear intermeshing structure that are complementarily configured in such a manner that they can meshably engage into one another in the forward run. The escalator is configured such that at least in a central region of the return run moving at an incline, the intermeshing structures of adjacent treads are meshably arranged with each other. As a result, the dimensions of the escalator can be reduced and adjacent treads can mutually guide each other through the meshing engagement.

20 Claims, 4 Drawing Sheets

