

(12) **United States Patent**  
**Schulze et al.**

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(54) **RAIL SYSTEM, IN PARTICULAR FOR AN IN-FLOOR ELECTRIC CONVEYER SYSTEM**

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See application file for complete search history.

(75) Inventors: **Herbert Schulze**, Aidlingen (DE); **Peter Obstfelder**, Starzach (DE)

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(73) Assignee: **EISENMANN AG**, Boeblingen (DE)

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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*Primary Examiner* — R. J. McCarry, Jr.

(74) *Attorney, Agent, or Firm* — Factor Intellectual Property Law Group, Ltd.

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(57) **ABSTRACT**

A rail system for an in-floor electric conveyer system having a main track with at least two fixed parallel rails, at least two secondary tracks which enclose an angle and each have fixed rails, and a switch arranged between the main track and the secondary tracks. Each rail of the main track is assigned a moveable rail section connected to the corresponding rail of the main track via a joint. Each joint has at least one end face of the rail of the main track embodied as part of a rotational face about the axis of a pivot pin, at least one end face, embodied in a complementary fashion thereto, of the assigned movable rail section and at least one transition body, which overlaps the fixed rail and the movable rail section and is connected in one end region to the fixed rail, and in the other end region to the movable rail section in an articulated fashion.

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