

Title (en)
CONVEYING SYSTEM OF AN ESCALATOR

Title (de)
FÖRDESYSTEM EINER ROLLTREPPE

Title (fr)
SYSTÈME DE TRANSPORT D'UN ESCALIER ROULANT

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Application
EP 20720913 A 20200430

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Abstract (en)
[origin: EP3736241A1] The invention relates to a step (20) for a conveying system (10) of an escalator, wherein each step (20) comprises a riser (22), a tread (21), a hinge (23) connecting the riser (22) and the tread (21), a tow roller (251), and at least a first supporting point (24) and a second supporting point (25) on each side of the step (20), wherein at the first supporting point (24), the step (20) is configured to be connected to a step chain (12) of the escalator. Therein, each step (20) is configured to be folded via the hinge (23) at least during a turnaround in a transition area (11) of the escalator. Especially, the riser (22) of each step (20) comprises at least a curved sliding guide (221) to guide the riser (22) in a predetermined curve while folding the step (20). Further, the invention relates to an escalator comprising a transition area (11), a step chain (12) and a plurality of steps (20). Further, the invention relates to a process to turnaround the step (20) in the transition area (11) of the escalator, wherein for turnaround the step (20) in the transition area (11) the riser (22) is fold towards the lower side of the tread (21) via the hinge (23). Especially, while folding, the riser (22) is guided in a predetermined curve defined by the curved sliding guide (221) of the riser (22). Especially, the riser (22) is turned around the riser shaft (261), wherein the wheel (262) of the riser shaft (261) rolls within the curved sliding guide (221).

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