CLAIMS

1. A belt being a step belt of an escalator or a plate belt of a moving walkway comprising:

at least one link chain arranged to circulate between a first deflecting region and a second deflecting region of the escalator or the moving walkway;

a plurality of guide rollers fastened to the at least one link chain;

a plurality of steps or plates fastened to the at least one link chain;

a plurality of system rollers fastened to the at least one link chain, wherein the guide rollers and the system rollers are arranged among at least three tracks;

wherein the at least three tracks are adjacent to one another with respect to a direction of circulation of the at least one link chain;

wherein one of the at least three tracks is occupied by the guide rollers and at least two other tracks of the at least three tracks are occupied by the system rollers;

wherein the guide rollers roll on guide rails between the first and second deflecting regions and the system rollers are unloaded at least in sections between the first and second deflecting regions; and

wherein in the first and second deflecting regions the system rollers occupying a first track of the at least two other tracks are in engagement with a chainwheel and the guide rollers are free unloaded; and

wherein in the first and second deflecting regions the system rollers occupying a second track of the at least two other tracks are supported on a deflecting cam.

2. The belt according to Claim 1 wherein in the first and second deflecting regions the system rollers lie on a base circle of the chainwheel and the base circle radius is smaller than a radius of the deflecting cam.

3. The belt according to Claim 1 wherein the system rollers and the guide rollers are arranged at articulation points of the at least one link chain.

4. The belt according to Claim 1 wherein the at least one link chain is formed from chain links, each of the chain links having a pair of chain link straps arranged parallel to one another, the system rollers are arranged between the chain link straps of the respective chain links and the guide rollers are arranged at an outer side of the chain link straps.

5. The belt according to Claim 1 wherein the system rollers are arranged at articulation points of the at least one link chain and the guide rollers are arranged between the articulation points at chain link straps of the at least one link chain.

6. The belt according to Claim 1 wherein the system rollers are stepped with a first half of a width of each of the system rollers having a first roller diameter and a second half of the width having a second roller diameter smaller than the first roller diameter, and wherein the system rollers are arranged such that the first track of the at least two other tracks is occupied by the first half of the system rollers and a second track of the at least two other tracks is occupied by the second half of the system rollers.

7. The belt according to Claim 1 wherein the system rollers include first system rollers and second system rollers, the first system rollers being arranged at the at least one link chain offset in alternating sequence with respect to the second system rollers so that the first track of the at least two other tracks is occupied by the first system rollers and a second track of the at least two other tracks is occupied by the second system rollers, the first one track and the second one track being mutually adjacent.

8. The belt according to Claim 1 wherein at least one support rail is arranged parallel to one of the guide rails adjacent at least one of the at least two other tracks occupied by system rollers to support the system rollers rolling over the at least one support rail.

9. A belt being a step belt of an escalator or a plate belt of a moving walkway comprising:

at least one link chain arranged to circulate between a first deflecting region and a second deflecting region of the escalator or the moving walkway;

a plurality of guide rollers fastened to the at least one link chain;

a plurality of steps or plates fastened to the at least one link chain;

a plurality of system rollers fastened to the at least one link chain, wherein the guide rollers and the system rollers are arranged among at least three tracks;

wherein the at least three tracks are adjacent to one another with respect to a direction of circulation of the at least one link chain;

wherein one of the at least three tracks is occupied by the guide rollers and at least two other tracks of the at least three tracks are occupied by the system rollers;

wherein the guide rollers roll on guide rails between the first and second deflecting regions and the system rollers are unloaded at least in sections between the first and second deflecting regions; and

wherein in the first and second deflecting regions the system rollers occupying a first track of the at least two other tracks are in engagement with a chainwheel and the guide rollers are unloaded;

wherein the system rollers are stepped with a first half of a width of each of the system rollers having a first roller diameter and a second half of the width having a second roller diameter smaller than the first roller diameter, and wherein the system rollers are arranged such that the first track of the at least two other tracks is occupied by the first half of the system rollers and a second track of the at least two other tracks is occupied by the second half of the system rollers.

10. A belt being a step belt of an escalator or a plate belt of a moving walkway comprising:

at least one link chain arranged to circulate between a first deflecting region and a second deflecting region of the escalator or the moving walkway;

a plurality of guide rollers fastened to the at least one link chain;

a plurality of steps or plates fastened to the at least one link chain;

a plurality of system rollers fastened to the at least one link chain, wherein the guide rollers and the system rollers are arranged among at least three tracks;

wherein the at least three tracks are adjacent to one another with respect to a direction of circulation of the at least one link chain;

wherein one of the at least three tracks is occupied by the guide rollers and at least two other tracks of the at least three tracks are occupied by the system rollers;

wherein the guide rollers roll on guide rails between the first and second deflecting regions and the system rollers are unloaded at least in sections between the first and second deflecting regions; and

wherein in the first and second deflecting regions the system rollers occupying a first track of the at least two other tracks are in engagement with a chainwheel and the guide rollers are unloaded;

wherein the system rollers include first system rollers and second system rollers, the first system rollers being arranged at the at least one link chain offset in alternating sequence with respect to the second system rollers so that the first track of the at least two other tracks is occupied by the first system rollers and a second track of the at least two other tracks is occupied by the second system rollers, the first one track and the second one track being mutually adjacent.