CLAIMS

1. An embedded type updating escalator, mounted in combination with an original truss of an original escalator, wherein the embedded type updating escalator comprises a truss assembly, as well as stairs, stair guide rails, stair chains, a traction machine, skirt plates, inner and outer cover plates, a handrail system, and an electrical control system which are mounted in combination with the truss assembly; wherein the truss assembly comprises a plurality of sections, a transverse width of each section is smaller than an inner transverse width of the original truss, and the plurality of sections are embedded into the original truss; the original truss is provided with a plurality of transverse bar members, and the sections are embedded into the original truss to avoid the transverse bar members,

each section comprises two upper chord members and two lower chord members, wherein the upper and lower chord members each have an angle steel structure, the two upper chord members are fixed to two sides of an upper portion of the corresponding section respectively, the two lower chord members are fixed to two sides of a lower portion of the corresponding section respectively;

the embedded type updating escalator is characterized in that,

a transverse edge of each upper chord member extends away from the corresponding section, and a transverse edge of each lower chord member extends toward an interior of the corresponding section.

2. The embedded type updating escalator according to claim 1, wherein the original truss comprises a lower portion, a middle portion and an upper portion, wherein the lower portion and the upper portion are parallel and horizontal, the middle portion is obliquely located between the lower portion and the upper portion, a bent turning section is provided at a junction between the middle portion and the lower portion, and another bent turning section is provided at a junction between the middle portion and the upper portion.

3. The embedded type updating escalator according to claim 2, wherein the plurality of sections comprises a lower machine room, a lower turning section, a plurality of middle sections, an upper turning section and an upper machine room, wherein the lower machine room is embedded into the lower portion, the lower turning section is embedded into the bent turning section at the junction between the lower portion and the middle portion, the plurality of middle sections are embedded into the middle portion, the upper turning section is embedded into the bent turning section at the junction between the middle portion and the upper portion, and the upper machine room is embedded into the upper portion.

4. The embedded type updating escalator according to claim 1, wherein each section comprises two side plates which are located on two sides of the corresponding section respectively, wherein each side plate is bent to form an upper transverse edge and a lower transverse edge, the upper transverse edge extends away from the corresponding section, and the lower transverse edge extends toward an interior of the corresponding section.

5. An escalator updating method of use of the embedded type updating escalator according to any one of claims 1 to 4, comprising:

(A) removing other components of the original escalator except the original truss to reserve a complete structure of the original truss including the transverse bar members;

(B) embedding the plurality of sections of the truss assembly into the original truss to avoid the transverse bar members during embedding, and connecting and fixing the truss assembly with the original truss; and

(C) mounting the stairs, the stair guide rails, the stair chains, the traction machine, the skirt plates, the inner and outer cover plates, the handrail system, and the electrical control system in combination with the truss assembly.