CLAIMS

[Claim 1] An overhead traveling vehicle system comprising:

a track at least partially disposed in a grid pattern; and

an overhead traveling vehicle including a traveling section configured to travel along the track, and a main body disposed below the track and suspended from the traveling section,

the traveling section including

a traveling wheel configured to roll on the track about a rotation axis as a principal axis, and

a traveling drive motor configured to drive the traveling wheel, wherein

the traveling drive motor is disposed on the rotation axis of the traveling wheel.

[Claim 2] The overhead traveling vehicle system according to claim 1, wherein

the track has a plurality of first rails extending along a first direction and a plurality of second rails extending along a second direction intersecting the first direction,

a support wall is connected to an upper surface of each of the first rails and the second rails, and

the support wall has a notch that allows passage of the traveling drive motor during traveling of the overhead traveling vehicle.

[Claim 3] The overhead traveling vehicle system according to claim 1 or 2, wherein

the traveling wheel is capable of swiveling,

the overhead traveling vehicle system further comprises a steering driver configured to swivel the traveling wheel, and

the steering driver is disposed below the track and below the traveling wheel.

[Claim 4] The overhead traveling vehicle system according to claim 1 or 2, wherein the traveling drive motor has an outer shape included in an outer shape of the traveling wheel, as

viewed from an axial direction of the rotation axis.

[Claim 5] The overhead traveling vehicle system according to claim 2, further comprising:

a support section configured to support the traveling wheel such that the traveling wheel is rotatable;

a coupling section coupled to a lower portion of the support section; and

a cable electrically connected to the traveling drive motor, wherein

the track includes a plurality of intersection rails disposed with a gap from each of end portions of the first rails and end portions of the second rails,

the coupling section and the cable extend from above to below the track through the gap.