Claims

[Claim 1]

A bogie comprising:

a bogie body;

a pair of running wheels disposed on both sides of the bogie body in a direction intersecting with a running direction of the bogie body and rollable on a running road surface of a railway;

a guide device guided along a guide rail and supported to be pivotable around an axial center along a vertical direction by the bogie body; and

a pair of motors disposed between the pair of running wheels in the bogie body and transmitting a drive force to the pair of running wheels, wherein

a rotational axis of the pair of motors is disposed on a center of the bogie body in the running direction and is disposed on an axis along a rightward-leftward direction intersecting with the running direction.

[Claim 2]

The bogie according to Claim 1,

wherein a pair of speed reducers is provided between an output shaft of the pair of motors and a rotary shaft of the pair of running wheels.

[Claim 3]

The bogie according to Claim 2,

wherein the pair of speed reducers is disposed inside the pair of running wheels.

[Claim 4]

The bogie according to any one of Claims 1 to 3,

wherein a pair of constant velocity ball joints is provided between an output shaft of the pair of motors and a rotary shaft of the pair of running wheels.

[Claim 5]

The bogie according to any one of Claims 1 to 4,

wherein a pair of spline joints is provided between an output shaft of the pair of motors and a rotary shaft of the pair of running wheels.

[Claim 6]

The bogie according to any one of Claims 1 to 5,

wherein a rotation axial center of the pair of motors and a rotation axial center of the pair of running wheels are disposed on a straight line along a direction intersecting with the running direction of the bogie body.

[Claim 7]

The bogie according to any one of Claims 1 to 6,

wherein the pair of motors is disposed above the guide device in the vertical direction.

[Claim 8]

The bogie according to any one of Claims 1 to 7,

wherein a control device that controls a rotation speed of the pair of motors in accordance with an operation state of the guide device is provided.

[Claim 9]

A vehicle comprising:

the bogie according to any one of Claims 1 to 8; and

a vehicle body supported from below by the bogie.