CLAIMS

1. A laser guided vehicle comprising:

a vehicle body;

a plurality of wheels projected from a bottom surface of the vehicle body downwardly and contacted on a floor of a facility; and

a laser scanner configured to rotate and send a laser in 360 degrees in a horizontal direction toward a plurality of reflectors disposed in the facility, and receive the laser reflected from the reflectors; wherein

the laser scanner is attached to the bottom surface of the vehicle body and disposed between the bottom surface of the vehicle body and the floor of the facility~~.~~,

the vehicle body comprises a support portion projected from the bottom surface of the vehicle body downwardly, and

the laser scanner comprises a base and a laser irradiation portion mounted on the base, characterized in that

the laser scanner is attached to the support portion in such a way that the base is disposed on the lower side of the laser scanner and the laser irradiation portion is disposed on the upper side of the laser scanner, wherein

the support portion comprises:

a first member extended in a vertical direction;

a second member attached to the first member and extended in the horizontal direction;

a third member attached to the second member and extended in the horizontal direction; and

a plurality of bolt members configured to connect the second and third members and extended in the vertical direction, wherein

the base of the laser scanner is mounted on the third member, and

a location of the vertical direction and a degree of the horizontal direction of the third member is adjusted by a rotation of each of the bolt members.

~~2. The laser guided vehicle according to claim 1, wherein~~

~~the vehicle body comprises a support portion projected from the bottom surface of the vehicle body downwardly,~~

~~the laser scanner comprises a base and a laser irradiation portion mounted on the base, and~~

~~the laser scanner is attached to the support portion in such a way that the base is disposed on the lower side of the laser scanner and the laser irradiation portion is disposed on the upper side of the laser scanner.~~

~~3. The laser guided vehicle according to claim 2, wherein~~

~~the support portion comprises:~~

~~a first member extended in a vertical direction;~~

~~a second member attached to the first member and extended in the horizontal direction;~~

~~a third member attached to the second member and extended in the horizontal direction; and~~

~~a plurality of bolt members configured to connect the second and third members and extended in the vertical direction, wherein~~

~~the base of the laser scanner is mounted on the third member, and~~

~~a location of the vertical direction and a degree of the horizontal direction of the third member is adjusted by a rotation of each of the bolt members.~~

~~4~~2. The laser guided vehicle system comprising:

the laser guided vehicle according to ~~any one of~~ claim~~s~~ 1~~ to 3~~; and

the reflectors disposed at the level of the laser scanner.