

Abstract

In a conveyance mechanism having rails horizontally and vertically laid in a building, racks laid along the rails, and a self-propelled carriage which has travel wheels traveling on the rails, pinions meshed with the racks, and a drive unit of the pinions, the rails has rails for the pinions having racks meshed with the pinions and rails for the travel wheels which are disposed in parallel with the rails for the pinions and separated therefrom in a curved section in which a direction is changed from horizontal to vertical or from vertical to horizontal and in a vertical section continuing to the curved section and the carriage has pinions meshed with the rails for the pinions and travel wheels supported by rails for travel wheels on the right and left sides thereof as well as the rails for the pinions and the rails for the travel wheels are disposed such that the carriage can move while keeping a horizontal attitude in a curved section and in a vertical section continuing to the section.