

ITEM CONVEYANCE INFRASTRUCTURE

Abstract

An object is to provide an article transport facility in which electricity can be supplied properly from an electricity supply line to a power receiving portion even in a curved portion of a predetermined travel path without providing the power receiving portion to a connecting shaft. The travel rail 1 and the electricity supply line are arranged to extend along the predetermined travel path which is formed by combining a straight portion and a curved portion 5. And article transport vehicle includes a travel portion 10 having a guide wheel 15 that contacts the travel rail 1 and is guided with respect to the horizontal direction and a travel wheel 14 that contacts the travel rail and that is driven and rotated. The travel portion 10 is connected to the vehicle main body 9 by a connecting shaft such that the travel portion 10 is rotatable about a vertical axis with respect to vehicle main body 9. The power receiving portion 25 is supported by the vehicle main body 9 such that the power receiving portion 25 can be moved in the lateral direction of the article transport vehicle. The article transport vehicle includes power receiving portion moving means 26 for moving the power receiving portion 25 outwardly of the curved portion 5 in the lateral direction of the article transport vehicle in association with the rotation of the connecting shaft 12 when the travel portion 10 rotates about the vertical axis with respect to the vehicle main body 9 while traveling in the curved portion 5.

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Fig. 8