

Abstract

[Problem to be Solved]

There is provided a train position detecting system which is
5 capable of detecting the position of a train with high accuracy by
using a beacon including an RFID tag.

[Solution]

A train position detecting system according to an embodiment
includes a beacon installed on a ground and including an RFID tag
10 having identification information stored thereon, and an RFID
reader installed on a train and configured to read the identification
information of the RFID tag, and detects a position of the train
based on the identification information read from the RFID tag.
The beacon includes a radio shielding unit configured to shield
15 radio waves emitted by the RFID tag. The radio shielding unit is
provided on each side of the RFID tag in a train travelling direction
so as to limit an angle of sight on the RFID tag seen from an
antenna of the RFID reader.