

Abstract

The present invention comprises a laser range-scanning sensor (10) that can simultaneously contain a bottom-contact third rail (5) and a running rail (8) within a measurement range thereof; and a data processing unit (40) that computes a position of the third rail (5), relative to the running rail (8), based on position data acquired by the laser range-scanning sensor (10). Thus, the present invention provides the advantageous effects of allowing a third rail (5) to be measured, and also of allowing the position of the third rail (5) relative to a running rail (8) to be computed by using the laser range-scanning sensor (10) to measure the third rail (5) while simultaneously measuring the running rail (8).

Figure 1