ABSTRACT

REINFORCING BAR BINDING ROBOT

A reinforcing bar binding robot according to the present disclosure includes a traveling unit configured to travel on a reinforcing bar group including a plurality of first reinforcing bars whose extending direction is a first direction and a plurality of second reinforcing bars whose extending direction is a second direction intersecting with the first direction and which are arranged to intersect with the first reinforcing bars; a sensor unit configured to detect at least one first reinforcing bar and/or at least one second reinforcing bar; and a reinforcing bar position calculation unit configured to calculate a position of the at least one first reinforcing bar and/or the at least one second reinforcing bar detected by the sensor unit based on pixel values of a plurality of pixels that form a two-dimensional image generated by a detection result of the sensor unit.

Figure 1