

## ABSTRACT

## SELF-PROPELLED ROBOT FOR REBAR BINDING

A self-propelled robot for rebar binding 100 comprising: wheel units 600 each having a front wheel 610 and a rear wheel 620 that travel on any one rebar among a plurality of rebars laid out in a lattice shape on a work surface; frame units 200 mounted multiply aligned on right and left of the wheel units 600 corresponding to an array interval of the rebars on which the wheel unit 600 travels, a plurality of binder holding units positioned between the front wheel 610 and the rear wheel 620 of the wheel unit 600 and by which rebar binders BD that bind mutually intersecting parts of rebars by using binding wires are detachably mounted per each wheel unit 600; a plurality of driving units each having a binder driving portion 520 that drives the binder holding unit up and down; and a control unit 400 that controls the travel motion of the wheel units 600 and the binding motion of the rebar binder BD, wherein the plurality of driving units 400 each being provided with a trigger driving pin 524, and wherein the control unit 400 having a binding control portion that causes the trigger driving pins 524 of the plurality of driving units to simultaneously and respectively press the triggers of the plurality of rebar binders BD.

[FIG.1]