CLAIMS

1. A self-propelled robot for rebar binding at least comprising:

wheel units each having a rear wheel and a front wheel that travel on any one rebar among a plurality of rebars laid out in a lattice shape;

frame units mounted multiply aligned on the right and left of the wheel units corresponding to array intervals of the rebar on which the wheel unit travel;

a plurality of binder holding units positioned between the front wheel and the rear wheel of the wheel unit and by which rebar binders that bind mutually intersecting parts of the rebars by using binding wires are detachably mounted;

a plurality of driving units each having a binder driving portion that drives the binder holding unit up and down;

a control unit that controls travel motions of the wheel units and binding motions of the rebar binders,

wherein the plurality of driving units is provided with trigger driving pins, respectively, and

wherein the control unit includes a binding control portion that causes the trigger driving pins of the plurality of driving units to simultaneously press triggers of the plurality of rebar binders.

2. The self-propelled robot for rebar binding according to claim 1, wherein the plurality of binder holding units is disposed such that the binding motion areas of the rebar binders are arrayed on a straight line orthogonal to the traveling direction along the one rebar.

3. The self-propelled robot for rebar binding according to claim 1 or 2, further comprising rebar detection units configured to detect a rebar terminal portion of the rebar on which the wheel unit travel provided in front of the front wheel and behind the rear wheel of the wheel unit.

4. The self-propelled robot for rebar binding according to any one of claims 1 through 3, wherein the control unit comprises a forward/retreat switching control portion configured to switch a forward motion and a retreat motion of the plurality of wheel units.