

a sensor for detecting a quantity of the varnish supplied to the varnish bath; and
a control unit for controlling the quantity of the varnish supplied to the varnish bath
based on a detection result of the sensor.

9. A method for coating a varnish, comprising:

- 5 a first step of supplying a varnish from a varnish feeding part to a varnish bath;
a second step of supplying the varnish in the varnish bath to a coating die by a self
weight of the varnish;
a third step of passing the varnish and a wire through the coating die to form a
varnish layer of the varnish with a predetermined thickness on a surface of the wire; and
10 a fourth step of baking the varnish layer to form a coating film.

10. The method for coating a varnish, according to claim 9, wherein the second step
comprises flowing the varnish toward the coating die without stagnation.

15 11. The method for coating a varnish, according to claim 9, wherein the first step
comprises supplying the varnish to keep the quantity of the varnish in the varnish bath to be
constant.

20 12. The method for coating a varnish, according to claim 9, wherein the third step
and the fourth step are repeated until the coating film on the surface of the wire has a desired
thickness.

13. The method for coating a varnish, according to claim 9, wherein the varnish
comprises one-pack type varnish.

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14. The method for coating a varnish, according to claim 9, wherein the varnish
comprises plural-pack type varnish.