CLAIMS:

1. An ultraviolet curing pipeline repair robot, comprising several sections of frame bodies connected in sequence to form a frame body, the frame bodies comprising a first section of frame body, a middle section of frame body and a tail section of frame body, wherein a front end of the first section of the frame body is connected with a front-view camera, each section of the frame body is fixedly provided with an ultraviolet radiation lamp and is connected with driving arms, and tail ends of the driving arms are connected with wheels configured to roll on an inner wall of a pipeline, wherein

the first section of the frame body is connected with the middle section of the frame body by at least one of the first aviation plugs, two connected ends of the middle section of the frame body are provided with the first aviation plugs, the middle section of the frame body is connected with the tail section of the frame body by at least one of the first aviation plugs, and a tail end of the tail section of the frame body is provided with a second aviation plug configured to be connected with a control system via a cable;

each ultraviolet radiation lamp comprises a lamp panel distributed in a circumferential direction of the corresponding section of the frame body and ultraviolet LED lamps uniformly distributed on the lamp panel;

each section of the frame body is provided with a spring sleeve, an outer surface of the spring sleeve is provided with a screw thread, and the spring sleeve is capable of circumferentially rotating around the section of the frame body;

at least three driving arms are provided and are uniformly distributed in the circumferential direction of the corresponding section of the frame body; each driving arm is formed by cross connection of two supporting arms, wherein one end of a first supporting arm is fixedly arranged on the corresponding section of the frame body, the other end of the first supporting arm is connected with the corresponding wheel, one end of a second supporting arm is connected with a driving arm nut, the driving arm nut sleeves the corresponding spring sleeve and is matched with the screw thread on

the outer surface of the spring sleeve, and the other end of the second supporting arm is connected with the corresponding wheel; and

each section of frame body is provided with an environment monitoring sensor, an inside of each section of the frame body is provided with a microprocessor, an output end of the environment monitoring sensor is connected with the microprocessor, and the microprocessor is further connected with switch control ends of the ultraviolet LED lamps; the inside of the tail section of the frame body is further provided with a network transmission module and a first power carrier module, and the first power carrier module is connected with the second aviation plug; and the cable is a power cable.

2. The ultraviolet curing pipeline repair robot according to claim 1, wherein an outer part of the front-view camera is provided with a shell, and the shell is provided with an air pressure indicator lamp and an air valve which are connected with the microprocessor in the first section of frame body.

3. The ultraviolet curing pipeline repair robot according to claim 2, wherein the shell of the front-view camera is connected with a driving shaft and a driving mechanism which are configured to drive the front-view camera to rotate, and the driving mechanism is controlled by the microprocessor in the front section of the frame body.

4. The ultraviolet curing pipeline repair robot according to claim 1, wherein the tail section of the frame body is further connected with a rear-view camera, and the rear-view camera is connected with the microprocessor in the tail section of the frame body.

5 The ultraviolet curing pipeline repair robot according to claim 4, wherein the tail section of the frame body is further provided with a range finder connected with the

microprocessor in the tail section of the frame body.

6. An ultraviolet curing pipeline repair system, comprising the ultraviolet curing pipeline repair robot according to claim 1, a cable reel and a control system wherein the cable reel comprises a power cable connected with the tail section of the frame body, a second power carrier module configured to perform data interaction with the first power carrier module, the microprocessor and a network communication module configured to perform data transmission with the control system, wherein the second power carrier module, the microprocessor and the network communication module are connected in sequence.

7. An ultraviolet curing pipeline repair system, comprising the ultraviolet curing pipeline repair robot according to claim 2, a cable reel and a control system, wherein the cable reel comprises a power cable connected with the tail section of the frame body, a second power carrier module configured to perform data interaction with the first power carrier module, the microprocessor and a network communication module configured to perform data transmission with the control system, wherein the second power carrier module, the microprocessor and the network communication module are connected in sequence.

8. An ultraviolet curing pipeline repair system, comprising the ultraviolet curing pipeline repair robot according to claim 3, a cable reel and a control system, wherein the cable reel comprises a power cable connected with the tail section of the frame body, a second power carrier module configured to perform data interaction with the first power carrier module, the microprocessor and a network communication module configured to perform data transmission with the control system, wherein the second power carrier module, the microprocessor and the network communication module are

connected in sequence.

9. An ultraviolet curing pipeline repair system, comprising the ultraviolet curing pipeline repair robot according to claim 4, a cable reel and a control system, wherein the cable reel comprises a power cable connected with the tail section of the frame body, a second power carrier module configured to perform data interaction with the first power carrier module, the microprocessor and a network communication module configured to perform data transmission with the control system, wherein the second power carrier module, the microprocessor and the network communication module are connected in sequence.

10. An ultraviolet curing pipeline repair system, comprising the ultraviolet curing pipeline repair robot according to claim 5, a cable reel and a control system, wherein the cable reel comprises a power cable connected with the tail section of the frame body, a second power carrier module configured to perform data interaction with the first power carrier module, the microprocessor and a network communication module configured to perform data transmission with the control system, wherein the second power carrier module, the microprocessor and the network communication module are connected in sequence.