Claims

1. System (1) for cleaning an object, such as a heat exchanger comprising a bundle of feed-through tubes extending between two end plates, wherein the system (1) comprises a connection body (3) for connecting the system to an object, a holder (5) for holding a cleaning device (2), a supporting arm (4) for supporting the holder (5) and a moving system for moving the holder with respect to the connection body in a first direction and a second direction at least having a component perpendicular to the first direction, wherein the moving system comprises a rotation motor (6) arranged to rotate the supporting arm with respect to the connection body (3), **characterized in that** the moving system further comprises a linear motor (7) arranged to move the holder (5) in a plane perpendicular to the rotation axis R of the rotation motor (6).

2. System (1) according to claim 1, wherein the connection body (3) is arranged to be coupled to flange of a heat exchanger and is provided with a coupling plate (31) with at least two slots (34) for receiving bolts for coupling to the heat exchanger flange.

3. System (1) according to claim 1 or 2, further comprising a cleaning device (2) coupled to the holder (5), wherein the cleaning device (2) is arranged for driving a flexible lance (22) for cleaning a heat exchanger duct or the like, provided with a frame in which a means driving a flexible lance is arranged for moving this flexible lance (22) in the direction of an outlet opening.

4. System according to claim 1, 2 or 3, wherein the linear motor (7) is arranged to move the holder (5) in a radial direction with respect to the rotation axis R of the rotation motor (6).

5. System (1) according to any of the preceding claims 1 – 4, wherein the rotation motor (6) is provided on the connection body (3).

6. System (1) according to claim 5, wherein the rotation motor (6) comprises a removable rotation axle (62) for decoupling the supporting arm (4) and the connection body (3) upon removal of the rotation axle (62).

7. System (1) according to any of the preceding claims 1 - 6, wherein the linear motor (7) comprises a rack and pinion system.

8. System according to any of the preceding claims 1 - 7, wherein the holder (5) is coupled to the supporting arm (4) and wherein the linear motor (7) is arranged to move the supporting arm (4) with respect to the connection body (3).

9. System according to claim 8, wherein the holder (5) is removably coupled to the supporting arm (4) for moving the holder (5) along the longitudinal axis A of the supporting arm (4).

10. System (1) according to claim 8 or 9, comprising a sleeve (8) for receiving the supporting arm (4), wherein the linear motor (7) is arranged to move the supporting arm (4) within the sleeve (8).

11. System (1) according to claims 6 and 10, wherein the rotation axle (62) is coupled to the sleeve (8).

12. System (1) according to any of the preceding claims, wherein the motors (6, 7) comprise pneumatic motors.

13. System (1) according to any of the preceding claims, further comprising a controller for remotely controlling at least the motors (6, 7) and preferably also a cleaning device (2) held in the holder.