

Title (en)

Working robot used for the water chamber of the heat exchanger.

Title (de)

In der Wasserkammer eines Wärmetauschers verwendeter arbeitender Roboter.

Title (fr)

Robot de travail utilisé dans la chambre d'eau d'un échangeur de chaleur.

Publication

EP 0195454 A2 19860924 (EN)

Application

EP 86103863 A 19860321

Priority

JP 5617185 A 19850322

Abstract (en)

A working robot (1) positioned within a water chamber (3) of a heat exchanger comprises a body (11) of the working robot having an arm (16) rotatably mounted therein for supporting a working device (7), a unit (12) for supporting the body which is provided on the body, rails (17) for guiding the movement of the body and a unit (19) for supporting rails provided on both ends of the rails, the rails being composed of at least three sets of members (17A, 17B, 17C), a plurality of support shafts (21, 22) which are inserted into the interior of heat transfer tubes (25) of the heat exchanger such as to fixedly abut against the inner surface thereof being mounted on the body support unit and the rail support unit in the direction of the central axis of the heat transfer tubes.

IPC 1-7

B25J 5/00; **F22B 37/00**

IPC 8 full level

F22B 37/02 (2006.01); **B25J 5/00** (2006.01); **B62D 57/024** (2006.01); **B62D 57/032** (2006.01); **F22B 37/00** (2006.01); **F28F 11/00** (2006.01); **F28G 15/04** (2006.01)

CPC (source: EP)

F22B 37/006 (2013.01)

Cited by

US2016176685A1; EP2525368A4; DE4340741A1; DE19545724C1; CN114905529A; US9341366B2; US8746089B2; US9273985B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0195454 A2 19860924; **EP 0195454 A3 19870616**; **EP 0195454 B1 19910116**; DE 3676840 D1 19910221; JP H086894 B2 19960129; JP S61217603 A 19860927

DOCDB simple family (application)

EP 86103863 A 19860321; DE 3676840 T 19860321; JP 5617185 A 19850322