ABSTRACT

System and method for indirect resistance welding of a sealing plate to an anchoring plate

The present invention relates to a system (S1) for the indirect resistance welding of a sealing plate (1) of a tank configured to contain liquefied gas, to an anchoring plate (22) arranged partly beneath the sealing plate (1), comprising:

- a pair of electrodes and a current generator adapted to be connected to the electrodes (41, 42)
- a support (5) capable of holding the electrodes relative to each other,
- positioning means for positioning the support (5) against the sealing plate (1), capable of positioning a first (41) of the electrodes above the sealing plate (1) and a second (42) of the electrodes above the free portion of the anchoring plate (22), and
- at least one actuator (9) capable of pressing the first electrode (41) against the sealing plate (1) and the second electrode (42) against the free portion of the anchoring plate (22).

(Figure 3)