

ABSTRACT

METHOD OF FEEDING CONTINUOUS STRIP, METHOD OF CONTROLLING THE FEED, AND METHOD AND APPARATUS FOR MANUFACTURING TUBE OR VESSEL, HAVING OUTER FLANGE PORTION ON TUBULAR PORTION BY USING THE FEED AND FEED CONTROL METHODS

A continuous strip 3 is set such its end face 3a held in contact with the outer periphery of a tubular portion of a tube or a vessel 1 formed, and its front end portion including the end face is heated and fused, while rotating the tubular portion to the outer peripheral direction.

The continuous strip is fed toward its contact portion with the tubular portion by providing a predetermined torque to it.

During rotation of the tubular portion, the continuous strip is monitored for its displacement in a direction perpendicular to its feed direction.

When a displacement is detected, the speed of rotation of the tubular portion and/or the rate of feed of the continuous strip 3 are controlled according to the detected displacement extent, thereby forming a flange portion on the outer periphery of tubular portion.

FIGURE 1