FLASH WELDING FOR BILLETS WITH “DOWN CUT” BILLET ENDS

ABSTRACT

Apparatus and methods for welding together steel billets having down cut ends, each down cut end comprising a deformation in a cross section of the billet by one side surface of the billet extending increasingly inwardly into a profile of the billet in an end region of the billet relative to a normal square cross sectional profile of the billet away from the end portion of the billet, the deformation resulting from a previous cutting operation, the method using a flash welding device and one or more shaving cutters for removing excess weld material, to form endless bar for continuously rolling into a rolled product.

[Fig. 4]