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(54) Title: METHOD OF HARD FACING A SUBSTRATE, AND WELD ROD USED IN HARD FACING A SUBSTRATE ☒

(57) Abstract

A weld rod (28) is prepared by placing a plurality of tungsten carbide/cobalt nuggets (20), preferably mixed with loose material, into a steel tube (26). The nuggets (20) are previously sintered and have a generally ellipsoidal shape. A substrate (78) is hard faced by progressively melting the weld rod (28) onto the surface (80) to be hard faced, and allowing the melted material to solidify on the surface (80).

