

A DUCTILE BORON BEARING NICKEL BASED WELDING MATERIAL

ABSTRACT

A ductile boron bearing nickel based welding material which includes boron within the range of 0.4 – 0.6 wt. % B, carbon from a trace amount to 0.04 wt. % C, 17 - 23 wt. % Cr, 0.35 – 10 wt. % Mo, 0.1 – 4.15 wt. % Nb with nickel or iron and impurities to balance for manufacturing of welding and brazing wires, powders and foils used in the repair of various articles made of nickel, cobalt and iron based alloys.