

The claimed material may be used in the capacity of wear resistant material for weld deposition of the worn out parts, working in shock-abrasive wear conditions.

The material for weld deposition contains the following components, mass %: carbon 3...8, manganese 5...8, vanadium 1...3, molybdenum 0,3...2,0, nitrogen 0,2...0,5, titanium 0,5...1,0, silicium 0,1...2,0, aluminum 2,0...5,0, nickel 0,5...3,5 and beryllium bronze 1,5...5,5, iron – the rest. The additional introduction of nickel and beryllium bronze increases the fluidity and the plasticity of the weld deposited material. In combination with carbide-forming elements it is increased the shock-abrasive wear resistance of the weld deposited material.

Claims: 1