

a 2001 0186

The invention relates to materials for weld deposition and may be used for deposition of wear resistant metals of the parts, working in abrasive wear conditions.

The claimed material contains the following components, mass %: aluminum 3...5, ferrochrome 35...40, graphite 2...4, ferromolybdenum 0,5...2,0, ligature 2,0...4,5, iron scale 7...10 and iron dust – the rest.

The additional introduction of the ligature, having in its composition elements with a low ionizing potential and of the iron scale, containing a surface active element (oxygen), permits to create a jet fine-dripping transfer of metals onto the surface of the worked part, that reduces the loss of the worked part and increases the weld depositing capacity.

Claims: 1