

a 2001 0210

The invention relates to materials used as electrodes for electrosag welding of the large-section constructions of highly resistant chrome-nickel-molybdenic steels.

The composition for electrodes, according to the invention, comprises carbon, manganese, nickel, molybdenum, vanadium, cerium, ferrum, tungstem, titanium and aluminum in the following component ratio, mass %:

carbon	0,01...0,04
manganese	3,50...15,00
nickel	4,00...12,00
molybdenum	1,00...4,00
vanadium	0,01...1,20
cerium	0,001...1,500
tungstem	0,01...2,50
titanium	0,05...1,00
aluminum	0,05...1,50
ferrum	the rest.

The result of the invention consists in obtaining welds with ferritic structure possessing plasticity at low temperatures and resistance to the formation of pores and shrinkage cracks.

Claims: 1