

A method for producing carbon nanostructures consists in that electrodes are made of current-conducting fusible or refractory material, cross section, length, necessary value of voltage and accumulated energy for formation of high-temperature plasma are determined, and they are disposed at the distance one from another in non-polar solvent. Rods are delivered to the interelectrode space, closing electrodes. Evaporation of current-conductive rods and formation of high-temperature plasma are effected in liquid non-polar media, containing carbon. Carbon nanostructures discharge is carried out using methods of liquid chromatography or mass spectrometry.