

Catalyst for the production of carbon nanotubes by decomposition of gaseous carbon compounds over a heterogeneous catalyst

Abstract

The present invention relates to a process for the production of carbon nanotubes, in particular those having a diameter of 3-150 nm and an aspect ratio of length:diameter (L:D) > 100, by decomposition of hydrocarbons on a heterogeneous catalyst which comprises Mn, Co, preferably also molybdenum, and an inert support material, and the catalyst and the carbon nanotubes themselves and the use thereof.