

ABSTRACT

The present invention provides CNT, in particular CNT having inherent properties thereof, which has a thin wall and does not form a bundle, and an efficient production method of the CNT. The method is for producing CNT, the whole length or a part thereof is compressed to form a band, said method comprises preparing a powdery and/or particulate material of an organic compound pre-baked to an extent of containing remaining hydrogen and allowed to carry a catalyst, which may be a transition metal, other metal or other element, thereon; charging the powdery and/or particulate material of the organic compound in a closed vessel made of a heat resistant material; and subjecting the powdery and/or particulate material of the organic compound together with the vessel to hot isostatic pressing treatment using a compressed gas atmosphere, wherein a maximum ultimate temperature at the hot isostatic pressing treatment is 750 to 1200°C.

Figure 7