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(54) Title (EN): BLACK POWDER, AND METHOD FOR PRODUCING SAME

(54) Title (FR): POUDRE NOIRE ET SA MÉTHODE DE PRODUCTION

(54) Title (JA): 黒色粉体及びその製造方法

(57) Abstract:

(EN): The present invention addresses the problem of providing: a black powder which enables the achievement of higher voltage-resistant performance; and a method for producing the black powder. The black powder according to the present disclosure is composed of carbon-containing silica particles. Each of the silica particles has a single-layer structure. The content of carbon in the surface of each of the silica particles is 1% by mass or less. The content of carbon in the surface of each of the silica particles can be measured by an X-ray photoelectron spectroscopy method.

(FR): La présente invention aborde le problème de fournir : une poudre noire qui permet d'obtenir des performances de résistance à la tension plus élevées ; et une méthode de production de la poudre noire. La poudre noire selon la présente invention est composée de particules de silice contenant du carbone. Chacune des particules de silice a une structure monocouche. La teneur en carbone dans la surface de chacune des particules de silice est de 1 % en masse ou moins. La teneur en carbone dans la surface de chacune des particules de silice peut être mesurée par une méthode de spectroscopie photoélectronique des rayons X.

(JA): より高い耐電圧性能を得ることができる黒色粉体及びその製造方法を提供することを課題とする。本開示の黒色粉体は、炭素を含有するシリカ粒子から構成される。シリカ粒子は、単層構造を有する。シリカ粒子の表面に含まれる炭素の含有量は、1質量%以下である。シリカ粒子の表面に含まれる炭素の含有量は、X線光電子分光法により測定される。

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