

ABSTRACT

NEAR INFRARED-REFLECTIVE BLACK PIGMENT AND METHOD FOR PRODUCING SAME

Provided is a method for producing a near infrared-reflective black pigment containing at least the element calcium, the element titanium, and the element manganese, wherein the method produces a pigment that exhibits little of the elution of the element calcium and the element manganese that is caused by contact with acid. At least a calcium compound, a titanium compound, and a manganese compound are mixed by a wet grinding method and are calcined to provide a BET specific surface area of at least $1.0 \text{ m}^2/\text{g}$ and less than $3.0 \text{ m}^2/\text{g}$. In another method, the element bismuth and/or the element aluminum is incorporated in a near infrared-reflective black pigment containing at least the element calcium, the element titanium, and the element manganese.

FIG. 4