SPECIFICATION

Title of Invention

METHOD OF PREPARING COAL ASH

Technical Field

[0001]

The present invention relates to a method of preparing coal ash, coal ash, and a cement composition.

Background Art

[0002]

Cohesive soil has an extremely small particle diameter and is hardened. Therefore, it is difficult to mix and agitate cohesive soil with a solidification material, in soil improvement. In order to solve the problem, for example, a method of using a special agitator, a method of increasing water content to improve uniformity with a solidification material, or a method of using a dispersant acting on soil particles in combination with solidification material milk may be used.

[0003]

On the other hand, the safety of a nuclear power plant is questionable, and the operating ratio of a coal-fired power plant increases. Therefore, the efficient use of coal ash produced in the operation of a coal-fired power plant becomes an issue.

CLAIMS

1. A method of preparing coal ash comprising:

crushing coal ash having an ignition loss of 3.5 mass% or higher such that a ratio (Lg/Lp) of a lightness (Lg value) of the coal ash after crushing to a lightness (Lp value) of the coal ash before crushing is 0.9 or lower.

2. The method of preparing coal ash according to claim 1,

wherein the coal ash is crushed such that the ratio (Lg/Lp) of the lightness (Lg value) after crushing to the lightness (Lp value) before crushing is 0.6 or higher.

3. The method of preparing coal ash according to claim 1 or 2,

wherein the coal ash is crushed such that a ratio (Vg/Vp) of a content (Vg) of particles having a particle diameter of 45 μm or more in the coal ash after crushing measured by a laser diffraction particle size analysis method to a content (Vp) of the particles having a particle diameter of 45 μm or more in the coal ash before crushing measured by the analysis method is 0.85 or lower.