

【ABSTRACT】

Disclosed is an electrical signal analysis method of a triboelectric power generating device capable of evaluating objectively and equally the performance between power generating devices by using multiple analysis methods capable of evaluating the performance of the triboelectric power generating device. The electric signal analysis method of the triboelectric power generating device includes analyzing electrical signals of the triboelectric power generating device through at least one of the following protocols a) to d): a) a protocol that analyzes electrical signals generated by applying a force to the center at a certain period so that the triboelectric power generating device is bent; b) a protocol that analyzes electrical signals generated by applying a force to at least one end so that the triboelectric power generating device is bent; c) a protocol that analyzes electrical signals generated by tapping the device at a certain period or causing vibration to the device within a limit without converting a shape of the triboelectric power generating device; and d) a protocol that analyzes electrical signals generated by shaking an inducer spaced apart from the triboelectric power generating device at a predetermined distance.

Figure 1