

【ABSTRACT】

Disclosed are a triboelectric power generating device and a manufacturing method thereof, which does not require a physical space to generate friction motions unlike conventional pressured induced electric power generating devices, maximizes a surface area by the junction friction portion of a friction material composite that is inexpensive and easy to mass-produce, thereby improving the durability of a generating device, and effectively producing electricity. The triboelectric power generating device includes a triboelectric generation layer (300) including a friction portion having a junction structure which is located at a central portion and made of two or more different polymers, a first electrode (100) which is located to face one surface of the triboelectric generation layer (300), and a second electrode (200) which is located to face the other surface of the triboelectric generation layer (300).

Figure 1