ABSTRACT

The material of an object on which a portable terminal is put is specified.

In the state in which a portable terminal 1 is put on an object, the portable terminal 1 calculates a first feature value representing motion characteristics for the in-plane directions which are obtained when the portable terminal 1 is vibrated, calculates a second feature value representing motion characteristics for the out-of-plane direction which are obtained when the portable terminal 1 is vibrated, and specifies, as the material of the object, a material retrieved on the basis of the calculated first feature value and the calculated second feature value from a database storing the range of a first feature value and the range of a second feature value for each of one or more materials in such a manner that the range of a first feature value and the range of a second feature value are associated with each other.

ABSTRACT

The material of an object on which a portable terminal is put is specified.

In the state in which a portable terminal 1 is put on an object, the portable terminal 1 calculates a first feature value representing motion characteristics for the in-plane directions which are obtained when the portable terminal 1 is vibrated, calculates a second feature value representing motion characteristics for the out-of-plane direction which are obtained when the portable terminal 1 is vibrated, and specifies, as the material of the object, a material retrieved on the basis of the calculated first feature value and the calculated second feature value from a database storing the range of a first feature value and the range of a second feature value for each of one or more materials in such a manner that the range of a first feature value and the range of a second feature value are associated with each other.