ABSTRACT

DEVICE WITH POSITIONING FUNCTION, POSITIONING RESULT RECEIVING DEVICE, AND POSITIONING RESULT UTILIZING SYSTEM

A device with a positioning function includes a satellite receiver ~~(230)~~ receiving signals from artificial satellites used in a satellite positioning system, a positioning section ~~(S1)~~ measuring a host device position based on satellite signals, an authentication information acquisition section ~~(S5)~~ acquiring, from an authentication center ~~(120)~~, authentication information used for authenticating the satellite signals, an authentication section ~~(S9, S10, S11)~~ authenticating, based on the authentication information, the satellite signals, an authentication level calculation section ~~(S22)~~ calculating an authentication level based on at least one of the number of artificial satellites that are authenticated or a ratio of the artificial satellites that are authenticated to the artificial satellites used in positioning, and a positioning result transmission processing section ~~(S24)~~ transmitting a positioning result which includes the authentication level to a different device other than the host device.

FIG. 1