ABSTRACT

TITLE OF INVENTION: NAVIGATION MESSAGE AUTHENTICATION TYPE POSITIONING APPARATUS

A navigation message authentication type positioning apparatus ~~(200, 300)~~ includes: a satellite receiver ~~(230, 330)~~ receiving a navigation message; an authentication information acquisition portion ~~(S5)~~; an authentication portion ~~(S9-S11)~~ authenticating that the navigation message is authentic; and a positioning portion ~~(S42)~~. The navigation message authentication type positioning apparatus ~~(200, 300)~~ includes: a storage portion ~~(220a, 330a)~~ storing satellite information and an authentication result; an acquisition portion ~~(S24, S27)~~ acquiring an artificial satellite; a consistency determination portion ~~(S36, S36c)~~ determining whether the navigation message and a navigation message received after restarting are consistent; and a selection portion ~~(S38)~~. The positioning portion ~~(S42)~~ determines the position of the navigation message authentication type positioning apparatus.

FIG. 3