

ABSTRACT

Provided is a positioning signal receiver and satellite positioning system capable of rapidly determining a position in determining a position through a positioning signal transmitted from the satellite positioning system. The satellite positioning system comprising: a global positioning system; a positioning signal receiver; a low-frequency assist information providing system for providing satellite orbit information as assist information which is offered low-frequently; a clock information generator for generating clock information; and a QZS for transmitting the clock information to the positioning signal receiver, wherein the clock information generator is operable to superimpose the clock information onto a L1-SAIF signal of the QZS and transmit it to the positioning signal receiver via the QZS, and the positioning signal receiver is operable to determine a position of the positioning signal receiver by using a measured distance value between the GPS and the positioning signal receiver 102, the satellite orbit information, and the clock information.