

ABSTRACT

It is intended to provide position information in a location where it is difficult for radio waves to penetrate. An indoor transmitter is capable of programmably changing a format of a transmitter signal. A process to be performed by a position information providing apparatus comprises the step (S610) of acquiring a received positioning signal, and the step (S612) of identifying an emission source of the positioning signal, wherein, if the emission source of the positioning signal is an outdoor source, the process further comprises the step (S622) of acquiring a navigation message included in the positioning signal, and the step (S624) of performing a processing for calculating a position based on the signal, or, if the emission source of the positioning signal is an indoor source, the process further comprises the step (S632) of acquiring message data from the positioning signal, the step (S634) of acquiring coordinate values from the data, and the step (S650) of displaying position information based on the coordinate values.