

ABSTRACT

AUTOMATIC SURVEYING PROGRAM AND AUTOMATIC SURVEYING SYSTEM

An automatic surveying system includes a surveying apparatus including a distance measurement member capable of performing distance measurement in a non-prism method and a distance measurement member rotating member which rotates the distance measurement member and an information processing apparatus which controls the surveying apparatus, and performs processing which drives the distance measurement member rotating member in such a way as to cause the distance measurement member to face a first measurement position of a pile targeted for surveying and then acquires distance measurement data of the distance measurement member, processing which drives the distance measurement member rotating member in such a way as to cause the distance measurement member to face a second measurement position of the pile targeted for surveying and then acquires distance measurement data of the distance measurement member, processing which determines a normal measurement state and an abnormal measurement state based on distance measurement data, and processing which, in a case of the abnormal measurement state, drives the distance measurement member rotating member in such a way as to move a direction of the distance measurement

member by a predetermined movement amount in a direction of a side which is not in the abnormal measurement state of the first measurement position or the second measurement position.

Fig. 1