

**A lightning occurrence position specifying device and
A lightning occurrence area estimation method**

ABSTRACT

This invention provides an art measuring and estimating the lightning occurrence position effectively in a wide range of lightning observation area. A lightning occurrence position measurement system is configured by a lightning discharge observation device and a lightning occurrence position specifying device. The lightning discharge observation devices are arranged in the lightning observation area, and send an observation data including time series of elevation angles and azimuth angles showing a direction of the lightning occurrence position, time of the time series, position data at observation points, and identification data identifying a sender to the lightning occurrence position specifying device. The lightning occurrence position specifying device receives the observation data, judges whether the time interval of time series of the elevation angle that the identification data are mutually different and a value of elevation angle are similar, and specifies the lightning occurrence position with an observation data that the identification data judged as being similar are mutually different.

Figure 1