



(12) **United States Patent**
Foust

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(54) **TRANSMITTING LOCATION-SPECIFIC WEATHER-RELATED DATA TO TERMINALS WITHIN A PLURALITY OF REGIONS**

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(57) **ABSTRACT**

A system for distributing weather information accepts differing types of such information for storage in a number of databases. Data representing levels of precipitation are stored in an overall database, to be overwritten as new data becomes available. Data representing storm warnings and lightening strikes are stored in a time-sensitive database, to be erased according to a predetermined schedule. Data representing a satellite photograph of cloud cover are stored in a cloud map database. These databases are read to obtain data which is transmitted to terminals within various regions, so that each terminal receives weather information for an area surrounding its region.

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(51) **Int. Cl.**⁷ **G01W 1/00**

(52) **U.S. Cl.** **702/3; 342/26**

(58) **Field of Search** **702/3; 395/211; 455/12; 342/26**

(56) **References Cited**

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27 Claims, 7 Drawing Sheets

