Abstract: A system (30, 10, 20) and method for providing a statistical measure of the size of liquid water droplets in a cloud, as well as a system and method for the detection and/or measurement of the presence of a cloud (408), liquid water content (406) in the cloud and ice water content (402) in the cloud, among other parameters.
INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/00756

A CLASSIFICATION OF SUBJECT MATTER

IPC  G06F 1/00( 2006 01)
    19/00( 2006 01)

USPC  7/02/5,2

According to International Patent Classification (IPC) or to both national classification and IPC

B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U S  702/3, 2, 1, 50

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

C DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No</th>
</tr>
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<td>A</td>
<td>US 6,847,903 A (SEVERSON et al) 25 January 2005 (25 01 2005), Abstract, column 1, lines 10-17, column 4, lines 4-11, column 5, lines 40-49</td>
<td>1-32</td>
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</table>

Date of the actual completion of the international search
18 June 2008 (18 06 2008)

Date of mailing of international search report
28 July 2008

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Form PCT/ISA/210 (second sheet) (April 2007)
Continuation of B. FIELDS SEARCHED Item 3:
PLUS, EAST, IEEE

search terms: cloud, water, average, ratio, power, wet, temperature, air, airflow, subtracting, droplet, sensor