Title: UTILIZING FORECAST METEOROLOGICAL DATA FOR IRRIGATION CONTROLLERS

Abstract: An irrigation controller (101a, 101b) includes a receiver (105a, 105b) and a processor. The processor is configured to facilitate receiving, in accordance with the receiver, an indication of rainfall which is forecast to fall on one or more locations (109a, 109b). Further, the processor is programmed to determine a minimum allowable water level and an optimal water level at the locations (109a, 109b). The processor is also programmed to determine water available at the locations (109a, 109b). In addition, the processor is programmed to determine an amount of water to be delivered so that the water available and the forecast rainfall exceed the minimum allowable water level, and avoid exceeding the optimal water level.
Published: with international search report

(88) Date of publication of the international search report: 16 April 2009
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
   IPC:   G06F 19/00 (2006.01)

   USPC:  700/284,86, 65,87,19,14,239/63,69,709/203,206
   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. : 700/284, 86, 65, 87, 19, 14; 239/63, 69, 709/203, 206

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

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

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>
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</table>

☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

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Date of the actual completion of the international search
08 May 2008 (08.05.2008)

Date of mailing of the international search report
13 JUN 2008

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Form PCT/ISA/210 (second sheet) (April 2007)