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(54) Title: SYSTEM FOR MONITORING A POWER DISTRIBUTION OR POWER TRANSMISSION DEVICE

(57) Abstract: The present invention provides a system and method for providing remote monitoring of a power device. In architecture, the system includes a service device that includes a transceiver circuitry to receive information of a power condition form the power device, and a computation circuitry to compute an electrical value for the power device. In addition, the service device includes a display circuitry that displays the computed electrical value in conjunction with operational parameters of the power device. The present invention can also be viewed as a method for providing remote monitoring of a power device. The method operates by detecting a power condition of the power device, and computing an electrical value for the power device. The electrical value computed in conjunction with operational parameters is then displayed.
INTERNATIONAL SEARCH REPORT

A. CLASSIFICATION OF SUBJECT MATTER
IPC(7) : G06F 19/00; G01K 21/00;
US CL : 702/62,188; 324/113
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. : 702/57-65,188; 324/113; 340/660,661

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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<td>Y</td>
<td>US 6,545,482 B1 (FEDIRCHUK et al) 8 April 2003 (08.08.2003), abstract</td>
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Further documents are listed in the continuation of Box C.

See patent family annex.

Date of the actual completion of the international search

Date of mailing of the international search report
02 NOV 2005

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