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(54) Title: POWER ALLOTMENT DISTRIBUTION IN A DATA CENTER

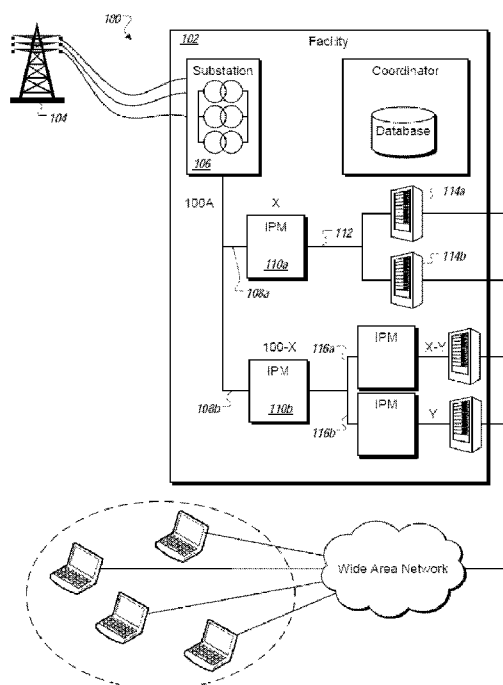


FIG. 1

(57) Abstract: In a computer-implemented method, an electronic communication from a first computing machine is received and includes a power value and one or more priority values. The power value represents a request for a power allotment expected to be used during a predetermined time and the priority values represent priorities of tasks expected to be executed during the predetermined time. A score for the request is calculated using a scoring function and the received priority values as inputs to the scoring function. The score is compared to one or more other scores respectively associated with requests for power allotments from other computing machines and previously calculated using the scoring function following receipt of one or more electronic communications each including a power value and one or more priority values. A top-ranked score is identified and an electronic communication is sent to the associated computing machine granting the requested power allotment.



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