Title (en)
  PROCESSING SYSTEM

Title (de)
  VERARBEITUNGSSYSTEM

Title (fr)
  SYSTEME DE TRAITEMENT

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  EP 1904925 A1 20080402 (EN)

Application
  EP 06726597 A 20060330

Priority
  • GB 2006001191 W 20060330
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Abstract (en)
  [origin: WO2006103460A1] A computer processor intensive task management system is described. The system includes a front end element in the form of a graphical user interface to receive user input in the form of task parameters, a webserver element to contains all the various sections of the specific graphical user interface for display and through which user input is made during the task parametrization procedure, a middleware element which communicates with the webserver element and receives task parameters for each and every task requested by user, and a back-end element comprising processing power. The system also includes a storage element which may optionally be integrated with the middleware element or separate therefrom. In accordance with the invention, the middleware element includes a queue function, a calculation function, a memory function, and a task distribution function, said queue function being used to hold details of all the tasks requested by the webserver, including the various parameters specifying those tasks, said calculation function being used to determine the likely amount of processor time involved in completing the particular task requested based on the task parameters received by said middleware element for that task, said memory element being used to contain details of previously distributed tasks and the particular clusters to which they were sent, said distribution function being used to successively and intermittently distribute tasks within the queue, and wherein the distribution of the tasks in the queue by the middleware element is made dependent on their determined completion time and also takes into account the predicted processor activity of clusters in the back end element to which previous tasks have already been sent.

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  G06F 9/46 (2006.01)

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Cited by
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