

Title (en)

SYSTEM AND METHOD FOR EXECUTION OF HIGH PERFORMANCE COMPUTING APPLICATIONS

Title (de)

SYSTEM UND VERFAHREN ZUR AUSFÜHRUNG VON HOCHLEISTUNGSBERECHNUNGSANWENDUNGEN

Title (fr)

SYSTÈME ET PROCÉDÉ D'EXÉCUTION D'APPLICATIONS DE CALCUL HAUTE PERFORMANCE

Publication

EP 2606424 A2 20130626 (EN)

Application

EP 11818745 A 20110817

Priority

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Abstract (en)

[origin: WO2012024435A2] A runtime environment for high performance computing applications. Algorithms, kernels used in the algorithms, inputs to and outputs from the algorithms, and the number of computing nodes to be used in executing each step of each of the algorithms are initially defined. The algorithms and the kernels are added to respective libraries. A request for execution of one of the algorithms is received, and input datasets for the algorithm to the computing system are transferred to the system. The requested algorithm is then executed to generate output data sets.

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