

Title (en)  
LOAD BALANCING A DISTRIBUTED PROCESSING SYSTEM

Title (de)  
LASTAUSGLEICH IN EINEM VERTEILTEN VERARBEITUNGSSYSTEM

Title (fr)  
EQUILIBRAGE DE CHARGE POUR SYSTEME DE TRAITEMENT DISTRIBUE

Publication  
**EP 1419598 A4 20071219 (EN)**

Application  
**EP 02756696 A 20020725**

Priority  
• US 0223797 W 20020725  
• US 91591001 A 20010725

Abstract (en)  
[origin: WO03010907A1] Method and apparatus for load balancing a distributed processing system (104). A method for load balancing a distributed processing system (104) having a plurality of processing nodes (136, 150) associated therewith is provided. A portion of a process is first received at one of the processing nodes for processing of that portion thereat (150). The amount of processing at that node is then determined that will be required to complete the received portion of the process as a processing load on that one processing node. A determination is then made if the amount of processing exceeds a predetermined threshold. If the amount of processing exceeds the predetermined threshold, then information is transferred to other nodes (136) in the network that the one of the processing nodes is unavailable for further processing.

IPC 1-7  
**H04J 1/16**

IPC 8 full level  
**G06F 9/50** (2006.01); **H04L 12/701** (2013.01); **H04L 12/801** (2013.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01)

CPC (source: EP)  
**G06F 9/5038** (2013.01); **G06F 9/505** (2013.01); **G06F 9/5083** (2013.01); **H04L 47/29** (2013.01); **H04L 67/1008** (2013.01); **H04L 67/1012** (2013.01); **G06F 2209/5019** (2013.01); **G06F 2209/5022** (2013.01); **H04L 67/1001** (2022.05); **H04L 67/10015** (2022.05)

Citation (search report)  
• [A] EP 0817020 A2 19980107 - SUN MICROSYSTEMS INC [US]  
• [A] EP 0366344 A2 19900502 - AMERICAN TELEPHONE & TELEGRAPH [US]  
• [A] WO 9745792 A1 19971204 - BELL COMMUNICATIONS RES [US]  
• [XA] GOSWAMI K K ET AL: "PREDICTION-BASED DYNAMIC LOAD-SHARING HEURISTICS", IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS, IEEE SERVICE CENTER, LOS ALAMITOS, CA, US, vol. 4, no. 6, 1 June 1993 (1993-06-01), pages 638 - 648, XP000398046, ISSN: 1045-9219  
• [A] ANON: "Condor Version 6.2.0 Manual", CONDOR TEAM, 18 May 2001 (2001-05-18), pages I-XV,1 - 341, XP002447610, Retrieved from the Internet <URL:http://tyne.dl.ac.uk/StarterKit/condor/condor-V6\_2-Manual.pdf>  
• See references of WO 03010907A1

Designated contracting state (EPC)  
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