

Title (en)

METHOD AND APPARATUS TO USE TASK PRIORITY TO SCALE PROCESSOR PERFORMANCE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR VERWENDUNG DER TASK-PRIORITÄT ZUR SKALIERUNG DER PROZESSORLEISTUNGSFÄHIGKEIT

Title (fr)

PROCEDE ET APPAREIL UTILISANT DES PRIORITES DE TACHES POUR ADAPTER LES PERFORMANCE D'UN PROCESSEUR

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Application

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Abstract (en)

[origin: WO02099639A1] The invention uses a general-purpose computer with a processor capable of operating at a plurality of performance levels, and has an operating system with the capability to set a plurality of task priority levels for task performed on the computer. The method reads a task's priority level, associates the task's priority level with a performance level, and sets the processor to operate at the performance level.

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IPC 8 full level

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Citation (search report)

- [X] SHIN YOUNGSOO ET AL: "Power conscious fixed priority scheduling for hard real-time systems", PROC DES AUTOM CONF; PROCEEDINGS - DESIGN AUTOMATION CONFERENCE 1999 IEEE, PISCATAWAY, NJ, USA, 1999, pages 134 - 139, XP002333591
- [X] GOVIL K ET AL: "COMPARING ALGORITHMS FOR DYNAMIC SPEED-SETTING OF A LOW-POWER CPU", PROCEEDINGS OF THE FIRST ANNUAL INT. CONF ON MOBILE COMPUTING AND NETWORKING, 27 June 1997 (1997-06-27), pages 1 - 13, XP002306321
- [A] YAO F ET AL: "A scheduling model for reduced CPU energy", FOUNDATIONS OF COMPUTER SCIENCE, 1995. PROCEEDINGS., 36TH ANNUAL SYMPOSIUM ON MILWAUKEE, WI, USA 23-25 OCT. 1995, LOS ALAMITOS, CA, USA, IEEE COMPUT. SOC, US, 23 October 1995 (1995-10-23), pages 374 - 382, XP010166714, ISBN: 0-8186-7183-1
- See references of WO 02099639A1

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