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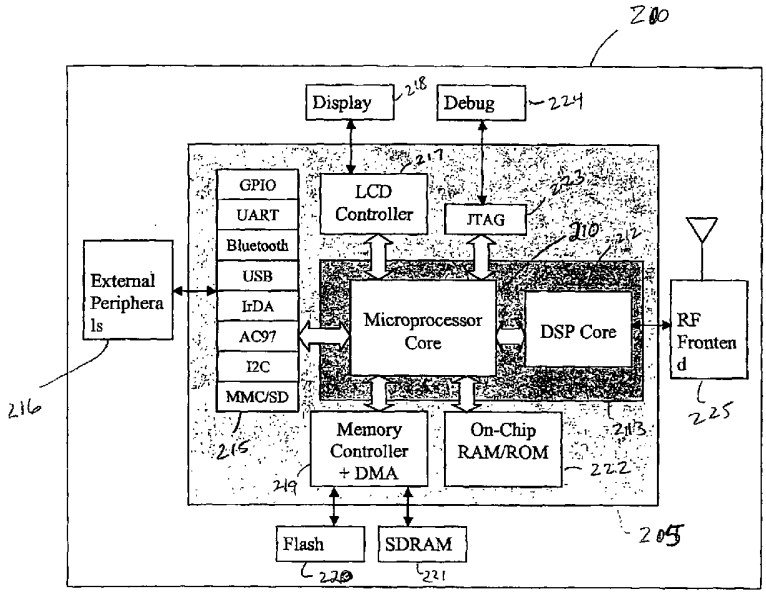
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(54) Title: METHOD AND SYSTEM FOR EFFICIENT CHARACTER-BASED PROCESSING



(57) Abstract: An illustrative summary of the invention, with particular reference to the detailed embodiment described below, includes a method and apparatus for processing character-based languages in a mobile system. This includes a central mobile processor capable of very long instruction word (VLIW) processing and efficient non-romance language character generation. This is preferably integrated with the DSP (digital signal processor) used for applications such as converting analog speech to/from a digital representation. A compression engine may also be included as part of the the mobile unit and corresponding network routers. This allows one to design a flexible, low-power processor for the next-generation mobile devices.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

G06F 9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC (7) G06F 9/00 G06F 17/20, 17/28

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT, EPODOC, WPI, PAJ ; Processor、VLIW、Character+、Chinese、Japanese、DSP

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6307541 B1 (Chi-Yu Ho, Chun Jiang, Chang Wang) 23.Oct. 2001 , the whole document	1-11
A	CN 2444355 Y (Cao,chunxu) 22.Aug. 2001 , the whole document	1-11
A	JP 10-198664 A (TAMURA HIROSHI) 31.Jul. 1998 , the whole document	1-11
A	US 6195756 B1 (Linda L.Hurd) 27.Feb. 2001 , the whole document	1-11

☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search	Date of mailing of the international search report
16. Jun. 2004	24 · JUN 2004 (24 · 06 · 2004)
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US 6307541 B1	23.Oct. 2001	None	
CN 2444355 Y	22.Aug. 2001	None	
JP10-198664 A	31.Jul. 1998	None	
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		JP11249896 A	17.Sep.1999
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