Title (en)

PROGRAMMABLE PROCESSOR ARCHITECTURE

Title (de)

PROGRAMMIERBARE PROZESSORARCHITEKTUR

Title (fr)

ARCHITECTURE DE PROCESSEUR PROGRAMMABLE

Publication

EP 1779256 A4 20071128 (EN)

Application

EP 05771043 A 20050712

Priority

- US 2005024867 W 20050712
- US 58769104 P 20040713
- US 59841704 P 20040802

Abstract (en)

[origin: WO2006017339A2] One embodiment of the present includes a heterogenous, high-performance, scalable processor having at least one W-type sub-processor capable of processing W bits in parallel, W being an integer value, at least one N-type sub-processor capable of processing N bits in parallel, N being an integer value wherein and smaller than W by a factor of two. The processor further includes a shared bus coupling the at least one W-type sub-processor and at least one N-type subprocessor and memory shared coupled to the at least one W-type sub-processor and the at least one N-type sub-processor, wherein the W-type sub-processor rearranges memory to accommodate execution of applications allowing for fast operations.

IPC 8 full level

G06F 15/76 (2006.01)

CPC (source: EP KR)

G06F 9/3001 (2013.01 - EP); **G06F 9/30018** (2013.01 - EP); **G06F 9/30032** (2013.01 - EP); **G06F 9/3885** (2013.01 - EP); **G06F 15/00** (2013.01 - KR); **G06F 15/76** (2013.01 - KR); **G06F 15/7864** (2013.01 - EP)

Citation (search report)

- [A] EP 1126368 A2 20010822 - TEXAS INSTRUMENTS INC [US]
- [X] STOLBERG H-J ET AL: "HiBRID-SoC: a multi-core system-on-chip architecture for multimedia signal processing applications", DESIGN, AUTOMATION AND TEST IN EUROPE CONFERENCE AND EXHIBITION, 2003 MUNICH, GERMANY 3-7 MARCH 2003, LOS ALAMITOS, CA, USA,IEEE COMPUT. SOC, US, 3 March 2003 (2003-03-03), pages 8 - 13suppl, XP010673491, ISBN: 0-7695-1870-2
- [A] HOOGENBOOM: "TASKING helps Siemens with 32-bit TriCore architecture design", INTERNET CITATION, November 1997 (1997-11-01), XP002259125, Retrieved from the Internet <URL:http://www.tasking.com/technology/tricore-archttecture.pdf> [retrieved on 20031024]
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- See references of WO 2006017339A2

Designated contracting state (EPC)

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DOCDB simple family (publication)

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