Title (en)

MEDIA ACCESS CONTROL MICRO-RISC STREAM PROCESSOR AND METHOD FOR IMPLEMENTING THE SAME

Title (de)

MICRO-RISC-FLUSS-PROZESSOR ZUR MEDIUMZUGRIFFSSTEUERUNG UND VERFAHREN ZU DESSEN IMPLEMENTIERUNG

Title (fr)

PROCESSEUR DE TRAINS MICRO-RISC DE CONTROLE D'ACCES AU SUPPORT ET SON PROCEDE DE MISE EN OEUVRE

Publication

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Application

EP 98906478 A 19980211

Priority

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Abstract (en)

[origin: WO9835480A1] Disclosed are methods and apparatus for processing packet data received from a physical layer. The processing is performed in-line while streaming packets to an upper layer. The method includes loading an instruction set for custom programming the processing of packet data received from the physical layer. Determining a type of packet data received from the physical layer. Identifying a first word location in the packet data based on the contents of the instruction set. Examining the packet data received from the physical layer at the first identified word location. The method further includes storing an element indicative of information contained in the first identified word location into a data structure, and appending the data structure to the packet data before the packet is streamed to the upper layer. The methods and apparatus also have direct applicability to reducing a CPU's work load during transmissions of data over a network.

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CPC (source: EP)

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