

Title (en)
MAP COMPILER PIPELINED LOOP STRUCTURE

Title (de)
MAP-COMPILER-PIPELINE-SCHLEIFENSTRUKTUR

Title (fr)
STRUCTURE DE BOUCLE EN PIPELINE DE PREPARATEURS DE DONNEES CARTOGRAPHIQUES

Publication
EP 1573461 A2 20050914 (EN)

Application
EP 03776468 A 20031017

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Abstract (en)
[origin: WO2004042503A2] A control-flow dataflow graph pipelined loop structure that includes a loop body that processes an input value to generate an output value in successive iterations of the loop body, where the output value is captured by a circulate node coupled to the loop body, a loop valid node coupled to the loop body that determines a final loop iteration, and an output value storage node coupled to the circulate node, where the output value storage node ignores output values generated after the loop valid node determines the final loop iteration has occurred. Also, a control-flow dataflow graph pipelined loop structure that includes a loop body that processes an input value to generate an output value in successive iterations of the loop body, where the output value is captured by a circulate node coupled to the loop body, and a loop driver node coupled to the circulate node, where the loop driver node sets a period for each iteration of the loop body.

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IPC 8 full level
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