Title (en)
SYSTEM HAVING A HYBRID THREADING PROCESSOR, A HYBRID THREADING FABRIC HAVING CONFIGURABLE COMPUTING ELEMENTS, AND A HYBRID INTERCONNECTION NETWORK

Title (de)
SYSTEM MIT EINEM HYBRIDEN THREADING-PROZESSOR, HYBRIDE THREADING-MATRIX MIT KONFIGURIERBAREN RECHENELEMENTEN UND HYBRIDES VERBINDUNGSNETZWERK

Title (fr)
SYSTÈME COMPRENANT UN PROCESSEUR DE SEGMENTATION HYBRIDE, MATRICE DE SEGMENTATION HYBRIDE COMPRENANT DES ÉLÉMENTS INFORMATIQUES CONFIGURABLES ET RÉSEAU D'INTERCONNEXION HYBRIDE

Abstract (en)
[origin: CN111602126A] Representative apparatus, method, and system embodiments are disclosed for configurable computing. In a representative embodiment, a system includes: a first, interconnection network; a processor coupled to the interconnection network; a host interface coupled to the interconnection network; and at least one configurable circuit cluster coupled to the interconnection network, the configurable circuit cluster including: a plurality of configurable circuits arranged in an array; a second, asynchronous packet network coupled to each configurable circuit of the plurality of configurable circuits of the array; a third, synchronous network coupled to each configurable circuit of the plurality of configurable circuits of the array; a memory interface circuit coupled to the asynchronous packet network and to the interconnection network; and a dispatch interface circuit coupled to the asynchronous packet network and to the interconnection network.

IPC 8 full level
G06F 9/38 (2018.01); G06F 9/48 (2006.01); G06F 13/16 (2006.01); G06F 13/40 (2006.01); G06F 15/78 (2006.01)

CPC (source: EP)
G06F 13/1684 (2013.01); G06F 13/4022 (2013.01); G06F 13/4027 (2013.01); G06F 15/7825 (2013.01); G06F 15/7867 (2013.01)

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