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(54) Title: SYSTEMS, APPARATUSES, AND METHODS FOR A HARDWARE AND SOFTWARE SYSTEM TO AUTOMATICALLY DECOMPOSE A PROGRAM TO MULTIPLE PARALLEL THREADS

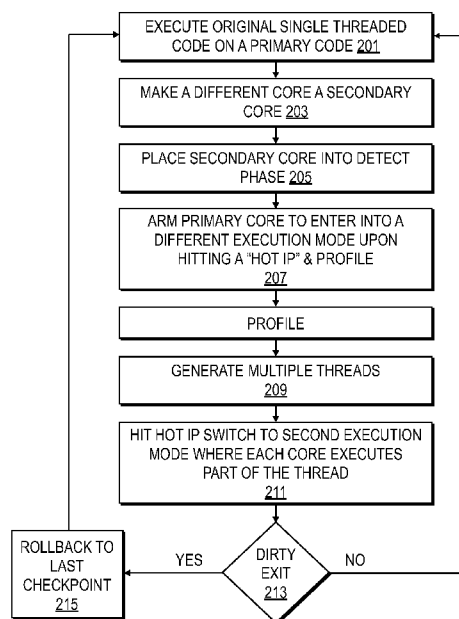


FIG. 2

(57) Abstract: Systems, apparatuses, and methods for a hardware and software system to automatically decompose a program into multiple parallel threads are described. In some embodiments, the systems and apparatuses execute a method of original code decomposition and/or generated thread execution.



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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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

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

eKOMPASS(KIPO internal) & Keywords:core, generate, cooperative, code.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2010-0274972 A1 (BABAYAN BORIS et al.) 28 October 2010 See abstract, paragraphs [0168]-[0171], [0262], and figure 7.	1
A	US 2010-0235611 A1 (YAMASHITA KOICHIRO) 16 September 2010 See abstract, paragraphs [0030], [0050]-[0089], figures 2, 3 and claim 1-20.	1
A	US 2010-0269102 A1 (LATORRE FERNANDO et al.) 21 October 2010 See abstract, paragraphs [0072]-[0076], [0146], and figure 7.	1
A	US 2007-0079281 A1 (LIAO SHIH-WEI et al.) 05 April 2007 See abstract, paragraphs [0024]-[0033], and claim 1.	1



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See patent family annex.

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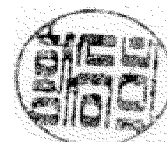
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Information on patent family members

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