

SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application Number
EP 14 80 1342

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	US 6 792 595 B1 (STORISTENAU ADRIAN [CA] ET AL) 14 September 2004 (2004-09-14)	1-3	INV. G06F9/44 G06F11/36
Y	* figures 1, 2A-2B * * column 1, lines 15-33 * * column 2, lines 35-45 * * column 5, lines 1-12 *	4	
Y	----- JEFFREY S VETTER ET AL: "Real-Time Performance Monitoring, Adaptive Control, and Interactive Steering of Computational Grids", INTERNATIONAL JOURNAL OF HIGH PERFORMANCE COMPUTING APPLICATIONS, vol. 14, no. 4, 2000, pages 357-366, XP055326516, US ISSN: 1094-3420, DOI: 10.1177/109434200001400407 * last two paragraphs of section 4.2 at page 363 *	4	
X	----- US 2005/177820 A1 (MEI XIAOCHUN [US] ET AL) 11 August 2005 (2005-08-11) * abstract * * figure 2A * * paragraphs [0038], [0040] *	5-7	TECHNICAL FIELDS SEARCHED (IPC) G06F
X	----- US 6 243 857 B1 (LOGAN III FRANK G [US] ET AL) 5 June 2001 (2001-06-05) * abstract * * figure 8 * * column 4, lines 41-48 * * column 8, line 62 - column 9, line 7 * ----- -/--	5-7	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 29 March 2017	Examiner Del Castillo, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C04)

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	BITA MAZLOOM ET AL: "Dataflow Tomography", ACM TRANSACTIONS ON ARCHITECTURE AND CODE OPTIMIZATION, vol. 9, no. 1, March 2012 (2012-03), pages 1-26, XP055358738, 2 Penn Plaza, Suite 701 New York NY 10121-0701 USA ISSN: 1544-3566, DOI: 10.1145/2133382.2133385 * abstract * * section 4.6 at pages 18-19 * * figures 8, 9 *	8-11	TECHNICAL FIELDS SEARCHED (IPC)
X	LIENHARD A ET AL: "Taking an object-centric view on dynamic information with object flow analysis", COMPUTER LANGUAGES, SYSTEMS & STRUCTURES, PERGAMON, AMSTERDAM, NL, vol. 35, no. 1, April 2009 (2009-04), pages 63-79, XP025431469, ISSN: 1477-8424, DOI: 10.1016/J.CL.2008.05.006 [retrieved on 2008-06-04] * figure 3 * * section 2.3 at pages 66-67 *	8-11	
X	US 2012/137240 A1 (KRUEGER UWE [DE]) 31 May 2012 (2012-05-31) * paragraphs [0011], [0018] - [0021], [0033] - [0036], [0041] * * figures 3-5 *	12-15	
The supplementary search report has been based on the last set of claims valid and available at the start of the search.			
Place of search Munich		Date of completion of the search 29 March 2017	Examiner Del Castillo, G
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C04)

CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims:

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4

The first invention, as defined by dependent claim 4, consists in a known method for graphically displaying program code, wherein source code is displayed which corresponds to a node of a graph representing code elements of a computer program and their relationships, as defined in claim 1 (said method being known from the first document cited in the present search report, i.e. US patent US6792595, thereafter referred to as D1, see cited passages of D1), with the additional feature that the graph comprises indicators relating to performance metrics gathered during execution of the code elements.

2. claims: 5-7

The second invention, as defined by independent claim 5, consists in a computer-readable storage medium storing instructions that implement the known method for graphically displaying program code that is also defined in claim 1, within the additional feature of receiving a breakpoint definition for a breakpoint.

3. claims: 8-11

The third invention, as defined by independent claim 8, consists in highlighting, in a graph representation of a computer program as defined in claim 1, nodes corresponding to code elements that interact with a certain selected object.

4. claims: 12-15

The fourth invention, as defined by independent claim 12, consists in grouping, in a graph representation of a computer program as defined in claim 1, nodes and edges according to a filter definition that defines a group of code elements and relationships.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 14 80 1342

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

29-03-2017

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6792595	B1	14-09-2004	CA 2256931 A1 23-06-2000
			DE 19957780 A1 06-07-2000
			US 6792595 B1 14-09-2004

US 2005177820	A1	11-08-2005	US 2005177820 A1 11-08-2005
			US 2007276692 A1 29-11-2007

US 6243857	B1	05-06-2001	US 6243857 B1 05-06-2001
			US 2001011367 A1 02-08-2001
			US 2004205702 A1 14-10-2004

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