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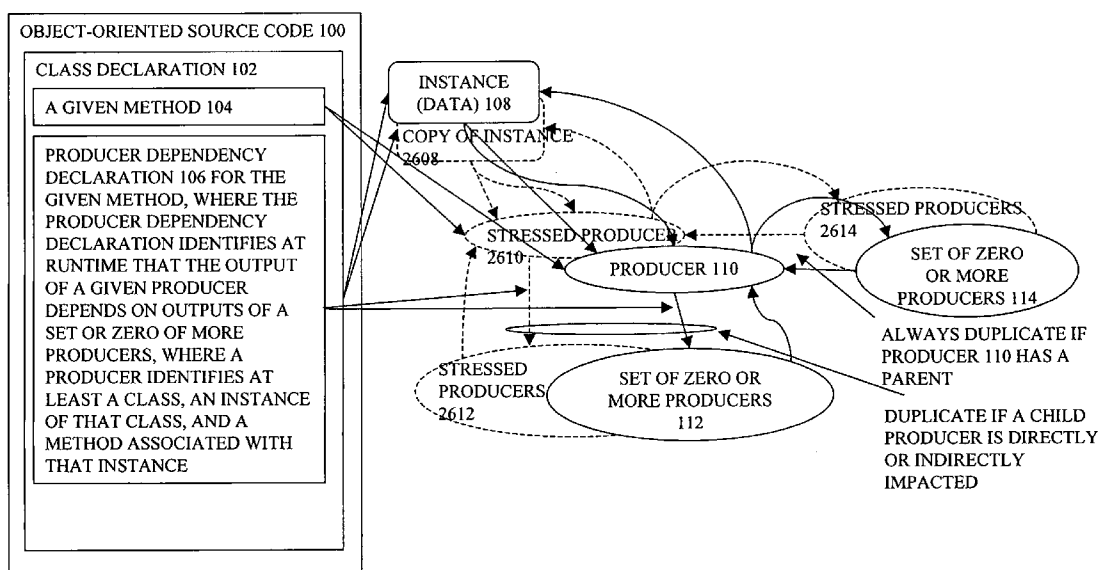
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(54) Title: PRODUCER GRAPH ORIENTED PROGRAMMING FRAMEWORK WITH SCENARIO SUPPORT



(57) Abstract: Embodiments of a producer graph oriented programming framework with scenario support have been presented. In one embodiment, a request to evaluate potential impacts by a change on an application program is received. The application program includes a set of producers, each having at least an instance and a method associated with the instance. Responsive to the request, the application program may be simulated with the change while the existing states and existing outputs of the producers are preserved.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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

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

EPO-Internal, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 966 072 A (STANFILL CRAIG W [US] ET AL) 12 October 1999 (1999-10-12) column 3, line 16 - line 25 column 7, line 13 - line 67 column 8, line 27 column 9, line 58 - line 65 column 10, line 11 - line 31 column 13, line 52 - column 14, line 2 column 17, line 55 - line 61 column 14, line 15 - line 20	1-26
A	US 2005/273773 A1 (GOLD STEVEN A [US] ET AL GOLD STEVEN ALLEN [US] ET AL) 8 December 2005 (2005-12-08) paragraph [0039] - paragraph [0040] paragraph [0065] - paragraph [0076] ----- -/--	1-26



Further documents are listed in the continuation of Box C.



See patent family annex.

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/01359 A (CONSYSTANT DESIGN TECHNOLOGIES [US]; HINES KENNETH J [US]) 3 January 2002 (2002-01-03) page 52, line 1 - page 70, line 8 -----	1-26

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2007/010410

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5966072	A	12-10-1999	AU 3514697 A	21-01-1998
			CA 2259362 A1	08-01-1998
			EP 0909417 A1	21-04-1999
			JP 3717188 B2	16-11-2005
			JP 2000514219 T	24-10-2000
			WO 9800791 A1	08-01-1998
US 2005273773	A1	08-12-2005	CA 2569637 A1	22-12-2005
			EP 1769339 A1	04-04-2007
			JP 2008506162 T	28-02-2008
			WO 2005121954 A1	22-12-2005
WO 0201359	A	03-01-2002	AT 305153 T	15-10-2005
			AU 7007901 A	08-01-2002
			AU 7009401 A	08-01-2002
			AU 7135401 A	08-01-2002
			AU 7298501 A	08-01-2002
			DE 60113538 D1	27-10-2005
			DE 60113538 T2	22-06-2006
			EP 1323042 A2	02-07-2003
			EP 1297424 A2	02-04-2003
			EP 1297428 A2	02-04-2003
			WO 0201349 A2	03-01-2002
			WO 0201362 A2	03-01-2002
			WO 0201390 A2	03-01-2002