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(74) Agents: MALLIE, Michael, J. et al.; Blakely, Sokoloff,  
Taylor & Zafman LLP, 12400 Wilshire Boulevard, 7th  
Floor, Los Angeles, California 90025 (US).

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(71) Applicant (for all designated States except US): NTT DO-  
COMO INC. [JP/JP]; Sanno Park Tower, 11-1, Nagata-  
cho, 2-chome, Chiyoda-ku, Tokyo 100-6150 (JP).

(72) Inventors; and

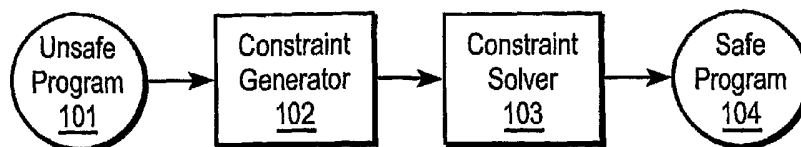
(75) Inventors/Applicants (for US only): CHANDER, Ajay  
[—/US]; 181 Metro Drive, Suite 300, San Jose, California  
95110 (US). ISLAM, Nayeem [—/US]; 181 Metro Drive,  
Suite 300, San Jose, California 95110 (US). ESPINOSA,  
David [—/US]; 181 Metro Drive, Suite 300, San Jose, Cal-  
ifornia 95110 (US). LEE, Peter [—/US]; 181 Metro Drive,  
Suite 300, San Jose, California 95110 (US). NECULA,  
George [—/US]; 181 Metro Drive, Suite 300, San Jose,  
California 95110 (US).

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ning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND APPARATUS FOR ENFORCING SAFETY PROPERTIES OF COMPUTER PROGRAMS BY GEN-  
ERATING AND SOLVING CONSTRAINTS



A

(57) Abstract: A method and apparatus is disclosed herein for generating and solving constraints. In one embodiment, the method comprises modifying program code by inserting one or more dynamic annotations having unsolved variables, generating one or more constraints based on the one or more dynamic annotations using a verifier, solving the one or more generated constraints; and modifying the program code by inserting a dynamic annotation in place of an annotation containing an unsolved variable.

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# INTERNATIONAL SEARCH REPORT

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**A. CLASSIFICATION OF SUBJECT MATTER**  
 G06F21/22      G06F9/45      G06F9/445

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**  
 Minimum documentation searched (classification system followed by classification symbols)  
 G06F

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)  
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**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	US 2004/031025 A1 (BRISSET PASCAL) 12 February 2004 (2004-02-12) abstract paragraphs [0009] - [0013] paragraphs [0021] - [0025] paragraphs [0033] - [0039] paragraphs [0046] - [0051]	1-28
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Further documents are listed in the continuation of Box C.
  See patent family annex.

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Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <p style="text-align: center;">de Man, A</p>
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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