Title (en)
REAL-TIME PROGRAM AUDIT SOFTWARE

Title (de)
ÜBERPRÜFUNGSSOFTWARE MIT ECHTZEITPROGRAM

Title (fr)
LOGICIEL DE VERIFICATION DE PROGRAMME EN TEMPS REEL

Publication
EP 1354270 A4 20040915 (EN)

Application
EP 00948614 A 20000711

Priority
- US 0018816 W 20000711
- US 39831099 A 19990920
- US 61121000 A 20000706

Abstract (en)
[origin: WO0122644A2] Real-time program audit software that is a software program, a method, and a system for generating source program audit statements which provide analyses of program statements and data as the program executes. These audits provide for real-time analysis of the execution of the program. The real-time program audit is applicable to virtually any programming language that uses source program statements, whether the source statements are compiled into an executable object or are interpreted during program execution. Conventional source programs are selected for auditing based on an audit profile; the audit profile is customized for specific compile and initial execution options; the source program is expanded with the selected audit statements; and the source program is compiled with a conventional language compiler. Program execution audits are based on the initial execution audit profile, customized execution audits, or dynamic audits specified during program execution. Program audit output is to disk, and is available for immediate online display or printing, or for expanded auditing analysis. Expanded auditing analysis provides for extensive analysis of the real-time program audit output data from all audited programs based on the desired analysis, which includes: program, user, date and time ranges, audit code prefix, audited file, field, label, and any execution audited data value.
[origin: WO0122644A2] Real-time program audit software that is a method and system for generating source program audit statements (33 of fig 5) and data as the program executes. These audits provide real-time execution analysis (600) of the program. The real-time audit is applicable to virtually any programming language that uses source program statements, whether the source statements are compiled into an executable object or are interpreted during execution. Program execution audits are based on the initial execution audit profile (26), customized execution audits, or dynamic audits specified during program execution. Program audit output is to disk, and is available for immediate online display or printing, or for expanded auditing analysis. Expanded auditing analysis provides for extensive analysis of the real-time program audit output data from all audited programs based on the desired analysis (22), which includes: program, user, date and time ranges, audit code prefix, audited file, field (24), label, and any execution audited data value.

IPC 1-7
G06F 11/36

IPC 8 full level
G06F 11/36 (2006.01)

CPC (source: EP)
G06F 11/3612 (2013.01)

Citation (search report)
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- See references of WO 0122644A2

Designated contracting state (EPC)
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