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(54) Title: MODEL-DRIVEN, REPOSITORY-BASED APPLICATION MONITORING SYSTEM

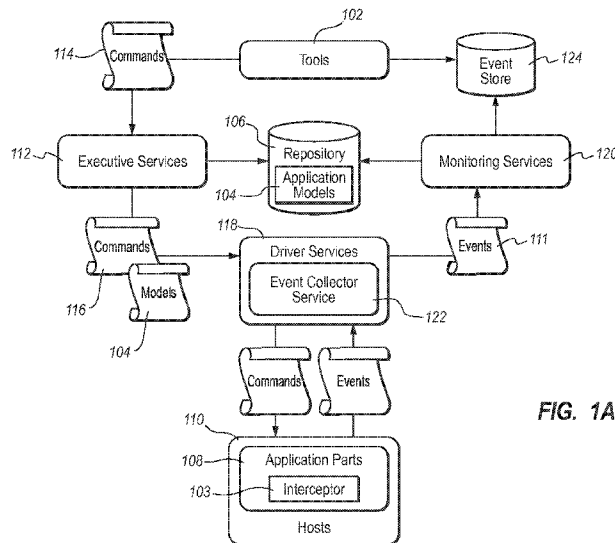


FIG. 1A

(57) Abstract: Enabling and processing events. To enable events, an application model correlated to an application is declaratively defined. The application model describes operations of the application. One or more event models correlated to the application model are declaratively defined. The event models describe application execution locations where events are desired to be emitted in the execution of the application. Based on the correlation of the event models to the application models, the applications are instrumented with instrumentation code to cause the application to emit events at the execution locations. To process events an application model is defined. The application model includes one or more observation models. The observation models include a correlation of events to the observation model by defining instrumentation models in the application model. An event is received. The event is applied to the observation model based on the correlation. The event is processed according to the observation model.

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**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC : G06F

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

Korean utility models and applications for utility models since 1975  
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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKIPASS(KIPO Internal), Google, YesKisti  
keywords: application, location, event, execution, monitoring, instrument, model**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 20050091227 A1 (McCOLLUM, R. W. et al.) 28 April 2005 See paragraphs [11]-[15], [41]-[54] and claim 1.	12-18 1-11, 19-23
X A	US 20040078461 A1 (BENDICH, J. et al.) 22 April 2004 See figures 3, 6 and paragraphs [7]-[9], [72].	19-23 1-18
A	US 20050165906 A1 (DEO, A. P. et al.) 28 July 2005 See paragraphs [21]-[51], [111]-[115] and claims 3-4.	1-23

 Further documents are listed in the continuation of Box C. See patent family annex.

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 20050091227 A1	28.04.2005	AU 2004-279195 A1 CA 2501729 A1 CN 1836208 A EP 1673694 A2 JP 2007-509404 T KR 20070012178 A PA 05007141 A RU 2005116258 A WO 2005-045559 A3	23.06.2005 23.04.2005 20.09.2006 28.06.2006 12.04.2007 25.01.2007 26.08.2005 20.12.2005 09.02.2006
US 20040078461 A1	22.04.2004	NONE	
US 20050165906 A1	28.07.2005	NONE	