

Systems, Methods and Apparatus for Pattern Matching in Procedure Development and Verification

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DESCRIPTION

This technology is a high-level computer source code program generating system validating medium, such as a hard disk drive. The medium has a set of instructions for receiving scenarios, and pattern-matching the scenarios to a process-based specification segment. The scenarios are pattern-matched to a formal specification in reference to an inference engine, and the formal specification is analyzed. A mathematical logic is applied to the formal specification to identify presence or absence of mathematical properties of the scenarios. The absence of the mathematical properties is corrected if the mathematical properties are identified as absent in the scenarios.

FEATURES AND BENEFITS

- The medium reduces system development time, reduces the amount of testing required for a new system, and improves the confidence that the system reflects the pattern-matching requirements.

APPLICATIONS

- Hard Disk Drive
- Cartridge Drive
- Source Code Programming

FOR MORE INFORMATION

If you are interested in more information or want to pursue transfer of this technology, GSC-15080-1, please contact:

Darryl Mitchell
Technology Manager
NASA Goddard Space Flight Center
Innovative Partnerships Program Office
darryl.r.mitchell@nasa.gov
301-286-5169