

# System and Method for Deriving A Process-Based Specification

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## **DESCRIPTION**

This is a process-based specification deriving system for software development. The method involves deriving a trace-based specification from a non-empty set of traces. A process-based specification is inferred from the trace-based specification, where the process-based specification is equivalent to the trace-based specification. Laws of concurrency are used by an inference engine to generate the process-based specification and reversed by embedding the laws of concurrency in the inference engine.

## **FEATURES AND BENEFITS**

- The method provides efficient, full automatic code generation, thus reducing the opportunity for a programming error, and supporting the whole system development life cycle.

## **APPLICATIONS**

- Software

## **FOR MORE INFORMATION**

If you are interested in more information or want to pursue transfer of this technology, GSC-14389-1, please contact:

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