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(54) **SENSOR FOR DETECTING AND ELIMINATING INTER-PROCESS MEMORY BREACHES IN MULTITASKING OPERATING SYSTEMS**

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(57) **ABSTRACT**

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The invention relates to a method for detecting and eliminating SCR breach operations by a second party within the memory space allocated to a first party, in a multi-tasking system, which comprises: (a) pre-recording by the first party within a knowledge base the structure and/or behavior of an SCR stack; (b) implanting within the SCR stack a dedicated SCR for reporting on the structure and/or behavior of said SCR stack when the SCR stack is activated; (c) when the SCR stack is activated, comparing the data reported by the dedicated SCR with the pre-recorded stack structure and/or behavior; (d) whenever non-matching in the structure and/or behavior is found, ceasing the activity of the activated stack, and alerting.

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