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(12) United States Patent

Epstein

(54) REORGANIZATION OF VIRTUALIZED COMPUTER PROGRAMS

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- (58) Field of Classification Search None

See application file for complete search history.

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(57) **ABSTRACT**

In an embodiment, a data processing method comprises obtaining access to computer program code; identifying a plurality of code segments in the computer program code; reorganizing the computer program code into reorganized code, by re-ordering the plurality of code segments into a new order that is potentially different than an original order of the plurality of code segments; wherein the new order is unpredictable based on the original order; rewriting one or more pointers of the reorganized code to point to new locations in the reorganized code consistent with the order of the reorganized code; wherein the method is performed by one or more computing devices.

24 Claims, 7 Drawing Sheets



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