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(54) **METHOD AND SYSTEM FOR GENERATING DECOY FILES USING A DEEP LEARNING ENGINE FOR PROTECTION AGAINST RANSOMWARE ATTACKS**

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(57) **ABSTRACT**

A system and method for generating decoy files for protection against ransomware attacks is disclosed. The system includes a deep learning engine, wherein the deep learning engine is configured to extract a plurality of features from most recently used user files in a folder, convert the plurality of features to a vector format, estimate error of the plurality of features to a target vector, and generate decoy files if the error is less than a predefined threshold.

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