



(54) **SYSTEMS, MEDIA, AND METHODS FOR UTILIZING A CROSSWALK ALGORITHM TO IDENTIFY CONTROLS ACROSS FRAMEWORKS, AND FOR UTILIZING IDENTIFIED CONTROLS TO GENERATE CYBERSECURITY RISK ASSESSMENTS**

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(57) **ABSTRACT**

In one or more embodiments, the disclosed systems, methods, and media include utilizing a crosswalk algorithm to identify controls (e.g., cybersecurity controls) across frameworks, and for utilizing identified controls to generate cybersecurity risk assessments. A cybersecurity module may identify one or more controls in a data structure. The process may utilize a crosswalk algorithm to determine a relatedness between the identified controls and different controls of different frameworks. The process may update the data structure with selected different controls, such that a more robust set of controls are identified when the cybersecurity module indexes into the data structure to identify particular controls. Additionally, the process may generate a risk assessment for a device/software. The process may generate a risk score for the risk assessment, and the risk score may be based on a determined compliance level for each control determined to be related to a defined risk of interest.

