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Giakouminakis et al.

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(54) **METHODS AND SYSTEMS FOR IMPROVED RISK SCORING OF VULNERABILITIES**

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(51) **Int. Cl.**
G06F 21/57 (2013.01)

(52) **U.S. Cl.**
CPC ***G06F 21/577*** (2013.01); ***G06F 21/57*** (2013.01)

(58) **Field of Classification Search**
CPC G06F 21/577; G06F 21/57; H04L 63/00
USPC 726/25
See application file for complete search history.

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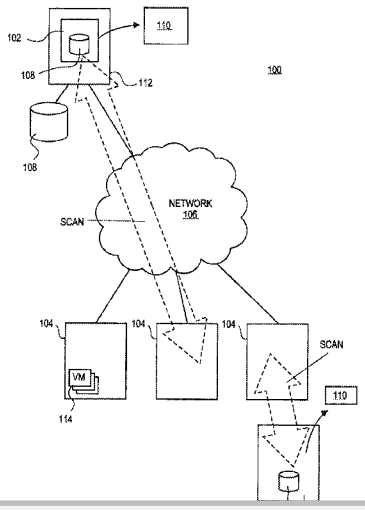
(57) **ABSTRACT**

A security tool can identify vulnerabilities in a computing system and determine a risk level of the vulnerabilities based on base and optional CVSS vectors and additional factors that represent the evolving nature of vulnerabilities. Likewise, the security tool can determine an overall risk for vulnerabilities, an asset, and/or a collection of assets that encompasses a global view of an asset's risk and/or collection of assets' risk, business considerations of an entity that own and controls the asset and/or the collection of assets, and the entity's associations.

28 Claims, 5 Drawing Sheets



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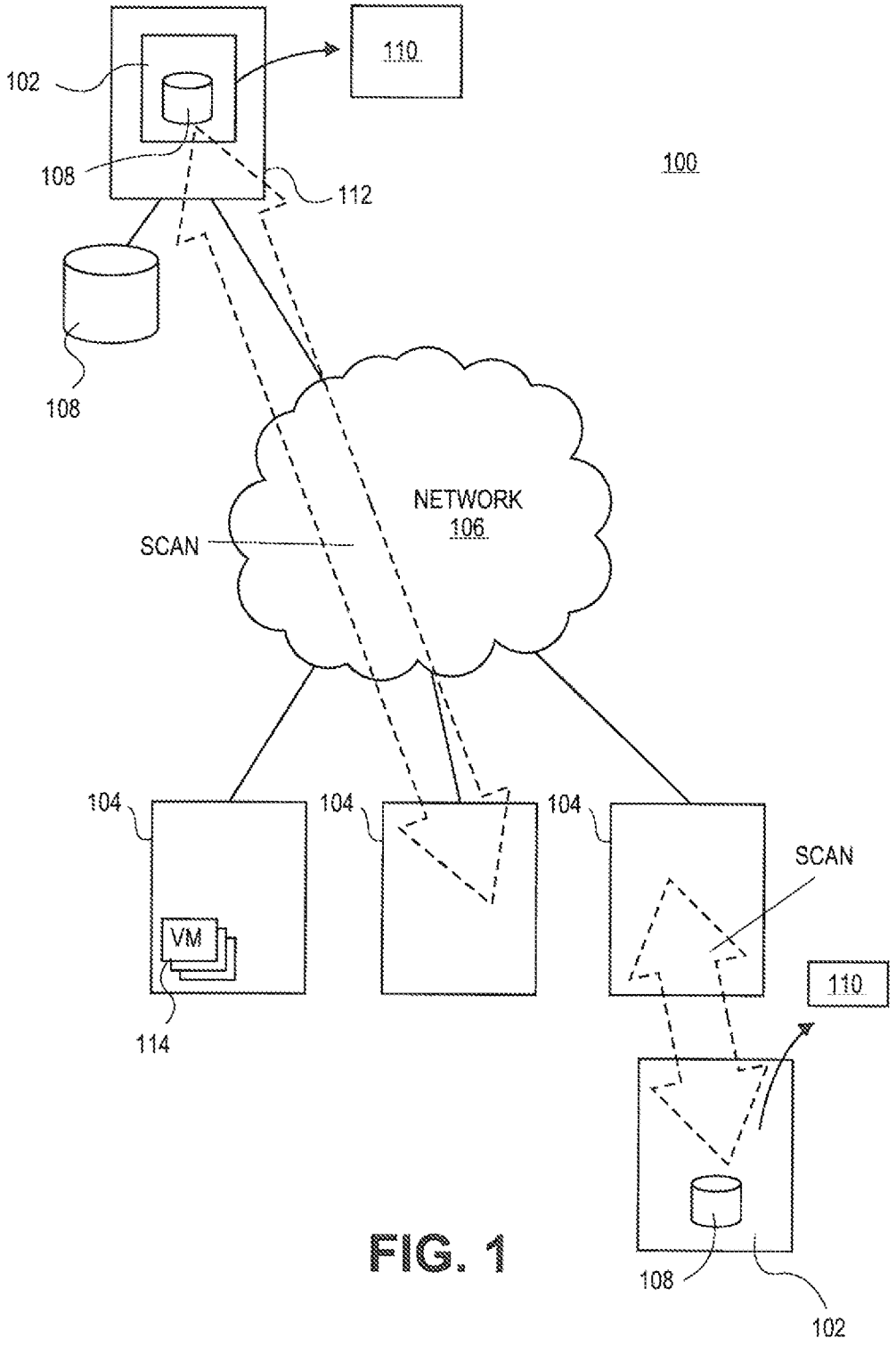

FIG. 1

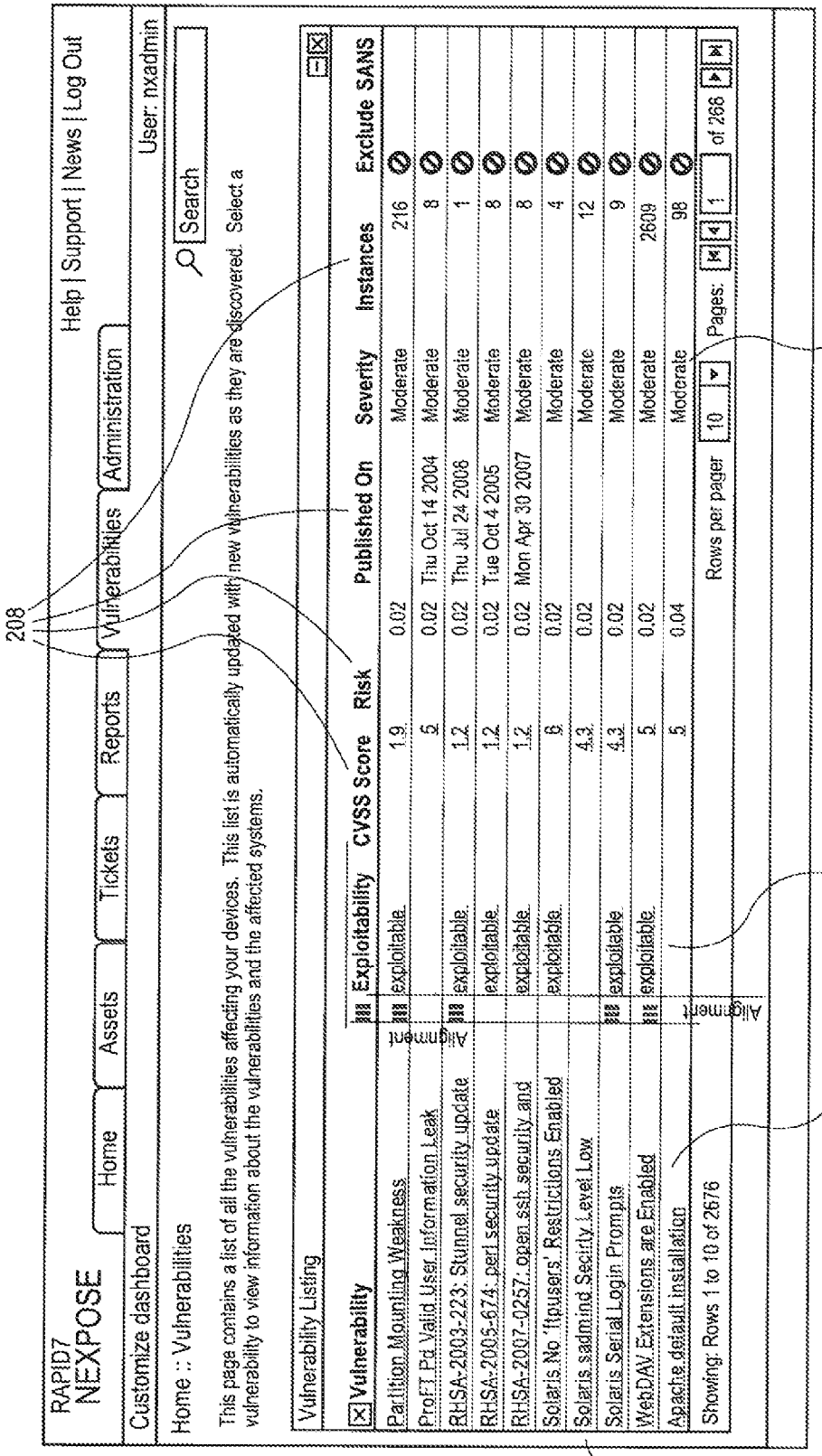

FIG. 2

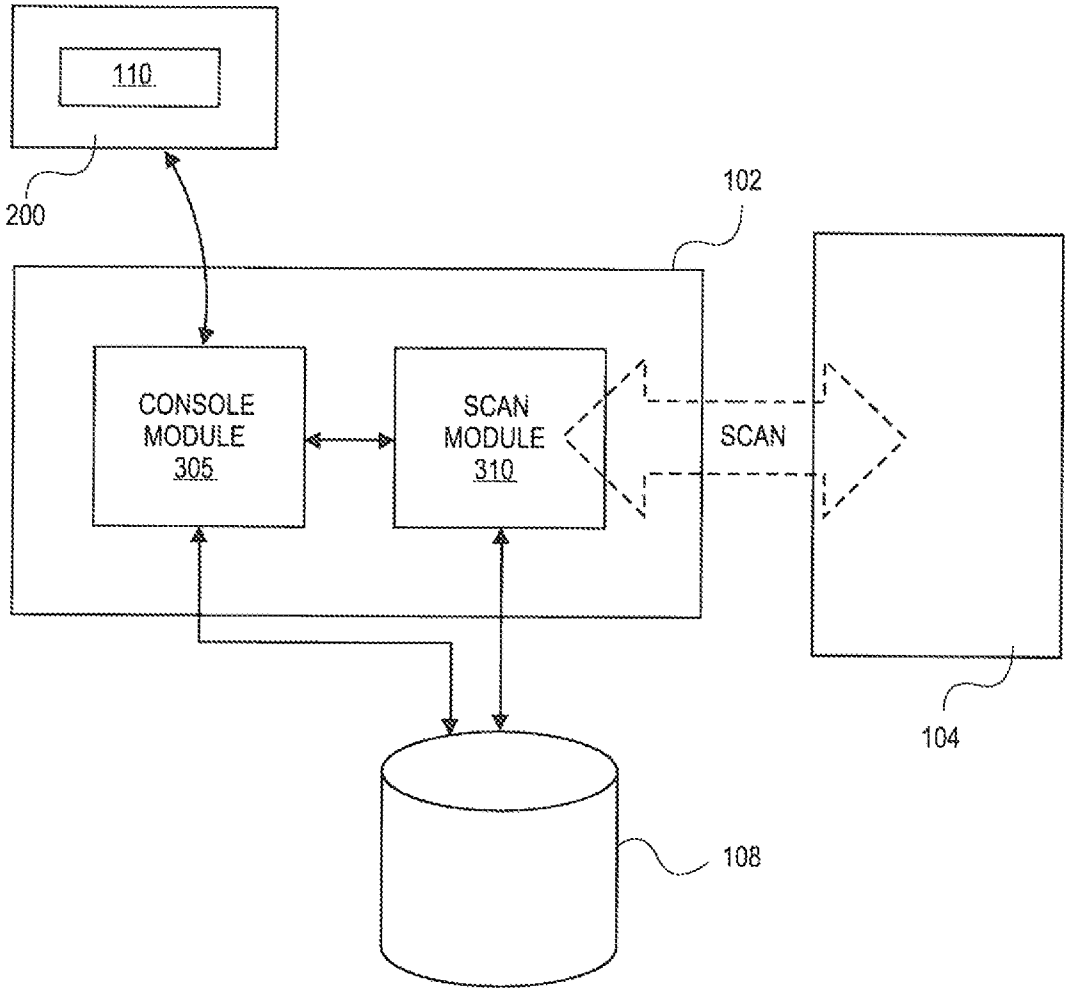

FIG. 3

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