

ABSTRACT**SYSTEM AND METHOD FOR CYBERSECURITY RISK MANAGEMENT**

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The present invention discloses a system (100) for cybersecurity risk management comprising a vulnerability prioritisation module (3), a threat analysis module (11) and a quantification module (12). The vulnerability prioritisation module is configured to determine a vulnerability risk score (4) and prioritise one or more cyber risks based on
10 the vulnerability risk score (4). The threat analysis module is configured for linking one or more attack techniques based on the priority of the one or more cyber risks determined by the vulnerability prioritisation module for assessing a security level of a control technique. The quantification module (12) comprises a quantification model for calculating cyber resiliency based on the vulnerability risk score (4) of the one or more
15 cyber risks and quantifying the one or more cyber risks. The quantification module (12) is further configured to receive data from both the vulnerability prioritisation module (3) and the threat analysis module to optimise the quantification model, thereby enabling optimal quantification of the one or more cyber risks. A corresponding method is further described.

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Figure 1