

CLAIMS

- 1 1. A method of measuring and representing security risk, the method comprising:
 - 2 (a) selecting at least one object within an environment;
 - 3 (b) quantifying the strength of controls of at least one object within that
4 environment by:
 - 5 (i) quantifying authentication controls;
 - 6 (ii) quantifying authorization controls; and
 - 7 (iii) quantifying structural integrity;
 - 8 (c) setting global variables for the environment [e.g., whether the
9 environment is subject to regulatory laws];
 - 10 (d) selecting at least one threat community [e.g., professional hacker]; and
 - 11 (e) calculating information risk by:
 - 12 (i) performing a statistical analysis, using the strengths of controls of
13 said at least one object, the characteristics of at least one threat
14 community, and the global variables of the environment, to
15 compute a value representing information risk.