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(54) **Title**: CONFIGURABLE-QUALITY RANDOM DATA SERVICE

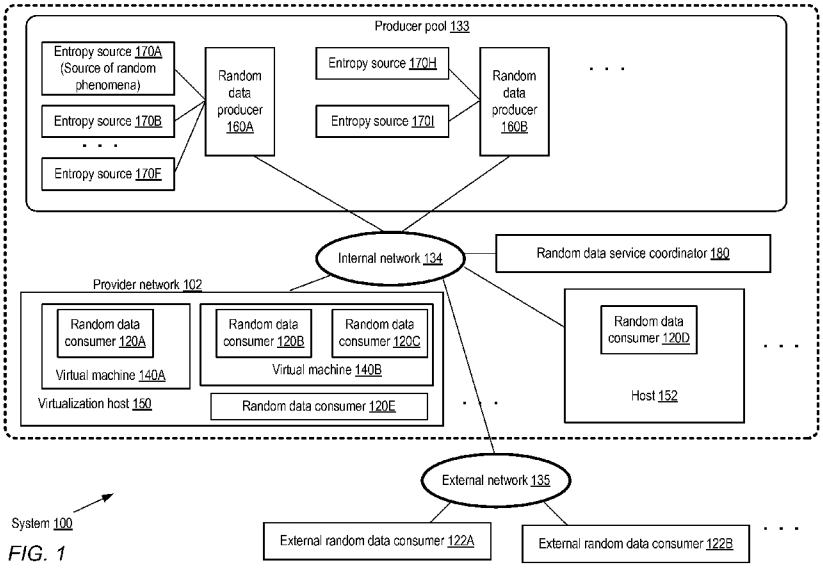

FIG. 1

(57) **Abstract**: Methods and apparatus for a configurable-quality random data service are disclosed. A method includes implementing programmatic interfaces enabling a determination of respective characteristics of random data to be delivered to one or more clients of a random data service of a provider network. The method includes implementing security protocols for transmission of random data to the clients, including a protocol for transmission of random data to trusted clients at devices within the provider network. The method further includes obtaining, on behalf of a particular client and in accordance with the determined characteristics, random data from one or more servers of the provider network, and initiating a transmission of the random data directed to a destination associated with the particular client.

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