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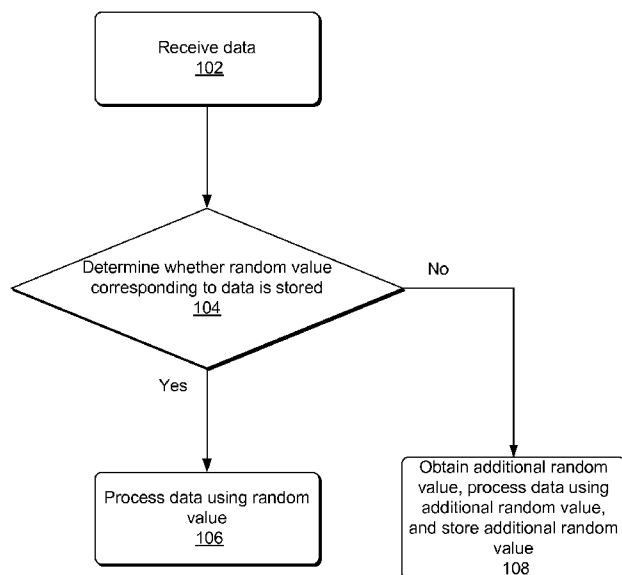


FIG. 1

(57) Abstract: Methods and systems for data processing. The method includes receiving, by a computing device, data to be processed. The computing device may determine whether a random value corresponding to the data to be processed is stored in a storage medium associated with the computing device. If the random value is stored in the storage medium associated with the computing device, the computing device may process the data to be processed using the random value. If the random value is not stored in the storage medium associated with the computing device, the computing device may obtain an additional random value for the data to be processed, and process the data to be processed using the additional random value, and store the additional random value in the storage medium associated with the computing device.