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(71) Applicant and
(72) Inventor: **PITSOS, Errikos** [DE/DE]; Florian-Geyer-Strasse 10, 81377 München (DE).

(74) Agent: **KNAUER, Reinhard**; Grünecker, Kinkeldey, Stockmair & Schwanhausser, Maximilianstrasse 58, 80538 München (DE).

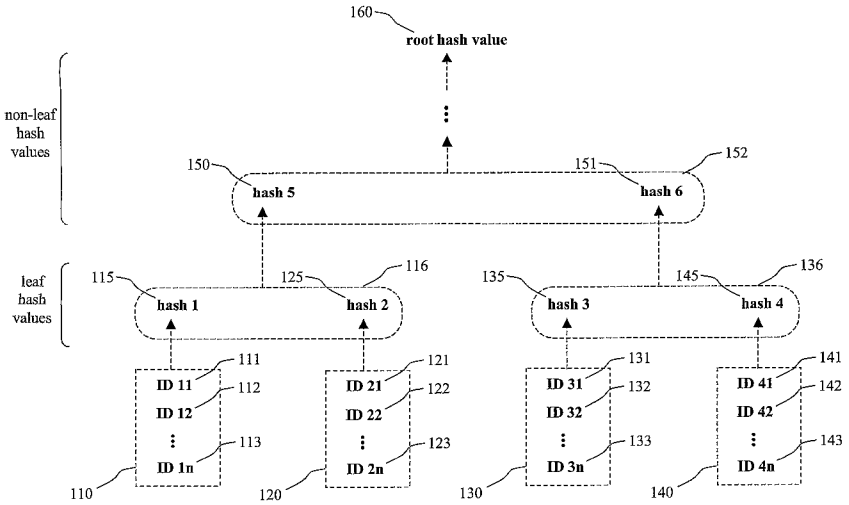
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(54) **Title:** METHODS AND SYSTEMS FOR PROVIDING INTEGRITY AND TRUST IN DATA MANAGEMENT AND DATA DISTRIBUTION PROCESSES



(57) **Abstract:** A method, a system, and computer-readable media having instruction for controlling client devices and server are provided for managing digital data. According to one aspect, a method comprises associating digital data with predefined sets of digital data, computing a leaf hash values over some or all of the digital data and/or over identifications of some or all of the digital data that are associated with the predefined sets, and computing a root hash value, whereby the underlying hash algorithm has as an input at least said leaf hash values. The method further comprises determining the consistency of given digital data with said root hash value by identifying the set of digital data that is associated with given digital data, re-obtaining said root hash value, re-obtaining the hash values over which said root hash value was computed, computing a hash value over said re-obtained hash values, and comparing said re-obtained root hash values with said in the previous step computed hash value.

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