

METHOD AND SYSTEM FOR DISTRIBUTED DATA STORAGE WITH ETERNAL INTEGRITY GUARANTEES

ABSTRACT

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A method for generating a universal distributed data storage includes: receiving a plurality of data values; generating a key for each of the plurality of data values, wherein the respective key is generated via application of a hashing algorithm to the associated data value; storing, in a database, each of the plurality of data values and
10 the associated generated key as a plurality of key-value pairs; receiving a plurality of additional key-value pairs, wherein each value of the plurality of additional key-value pairs is not included in the plurality of data values; and storing, in the database, each of the plurality of additional key-value pairs, wherein each key included in the plurality of additional key-value pairs is generated via application of the hashing
15 algorithm to the associated value and is not included in the keys generated for each of the plurality of data values.

[Fig. 1]