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(54) **BLOCKCHAIN-IMPLEMENTED HASH FUNCTION**

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(71) Applicant: **nChain Licensing AG**, Zug (CH)

(72) Inventors: **Craig Steven WRIGHT**, London (GB);
Wei ZHANG, London (GB); **Alec BURNS**, London (GB)

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ABSTRACT

A computer-implemented method of implementing a hash function (HF) using blockchain transactions, wherein the method is performed by a first party and comprises: generating a first blockchain transaction; and submitting the first blockchain transaction to one or more nodes of a blockchain transaction, wherein the first blockchain transaction comprises a locking script configured to, when executed together with an unlocking script of a second blockchain transaction comprising a target data item, generate a hash result of the target data item.

