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(71) **Applicant: ALIPAY (HANGZHOU) INFORMATION TECHNOLOGY CO., LTD.** [CN/CN]; No. 556 Xixi Road, 8th Floor, Section B, Suite 801-11, West Lake District, Hangzhou, Zhejiang 310000 (CN).

(72) **Inventors: ZHUO, Haizhen;** No. 556 Xixi Road, 8th Floor, Section B, Suite 801-11, West Lake District, Hangzhou, Zhejiang 310000 (CN). **LU, Zhonghao;** No. 556 Xixi Road, 8th Floor, Section B, Suite 801-11, West Lake District, Hangzhou, Zhejiang 310000 (CN).

(74) **Agent: BEIJING BESTIPR INTELLECTUAL PROPERTY LAW CORPORATION;** Room 409, Tower B, Ka Wah Building, No. 9 Shangdi 3rd Street, Haidian District, Beijing 100085 (CN).

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(54) **Title:** BLOCKCHAIN DATA STORAGE BASED ON ERROR CORRECTION CODE FOR PERMISSIONED BLOCKCHAIN NETWORK

(57) **Abstract:** Disclosed herein are methods, systems and apparatus, including computer programs encoded on computer storage media, for storing blockchain data. One of the methods includes receiving transactions issued by a client node communicably coupled to a permissioned blockchain network, sending the transactions to a plurality of validating nodes for validating the transactions and running consensus, receiving one or more blocks generated based on consensus of at least a portion of the transactions by the plurality of validating nodes, encoding the one or more blocks using ECC to generate one or more encoded blocks, and for each encoded block of the one or more encoded blocks: dividing the encoded block into a plurality of datasets based on a data storage scheme associated with the one or more blocks.

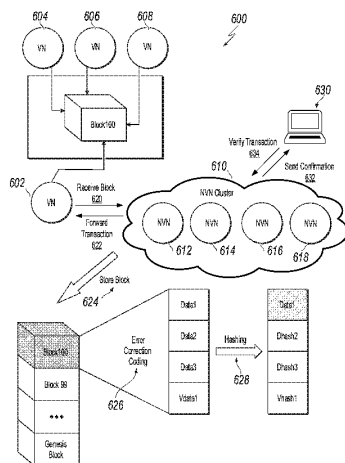


FIG. 6

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