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(71) Applicant: **ALIBABA GROUP HOLDING LIMITED** [—/CN]; Fourth Floor, One Capital Place, P.O. Box 847, George Town, Grand Cayman (KY).

(72) Inventor: **LI, Zhiguo**; Alibaba Group Legal Department 5/F, Building 3, No. 969 West Wen Yi Road, Yu Hang District, Hangzhou, Zhejiang 311121 (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: IDENTIFYING COPYRIGHTED MATERIAL USING COPYRIGHT INFORMATION EMBEDDED IN TABLES

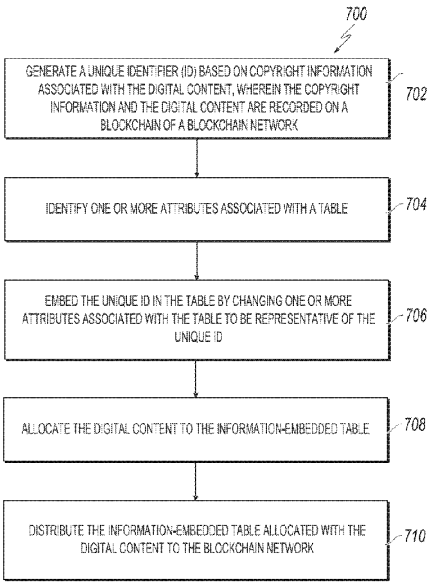

FIG. 7

(57) Abstract: Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for identifying copyrighted material based on embedded copyright information. One of the methods includes generating, by a computing device, a unique identifier (ID) based on copyright information associated with the digital content, wherein the copyright information and the digital content are recorded on a blockchain of a blockchain network; identifying, by the computing device, one or more attributes associated with a table; embedding, by the computing device, the unique ID in the table by changing one or more attributes associated with the table to be representative of the unique ID, wherein the embedding produces an information-embedded table that enables retrieval of the copyright information from the blockchain based on the unique ID, and wherein a visual difference between the table and the information-embedded table is not apparent to an unaided human eye; allocating, by the computer device, the digital content to the information-embedded table; and distributing the information-embedded table allocated with the digital content to the blockchain network.

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