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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: **ZHAO, Wenqiang**; No. 556 Xixi Road, 8th Floor, Section B, Suite 801-11, West Lake District, Hangzhou, Zhejiang 310000 (CN). **LI, Yanpeng**; No. 556

Xixi Road, 8th Floor, Section B, Suite 801-11, West Lake District, Hangzhou, Zhejiang 310000 (CN). **JIA, Boyan**; 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: DECENTRALIZED AUTOMATIC PHONE FRAUD RISK MANAGEMENT

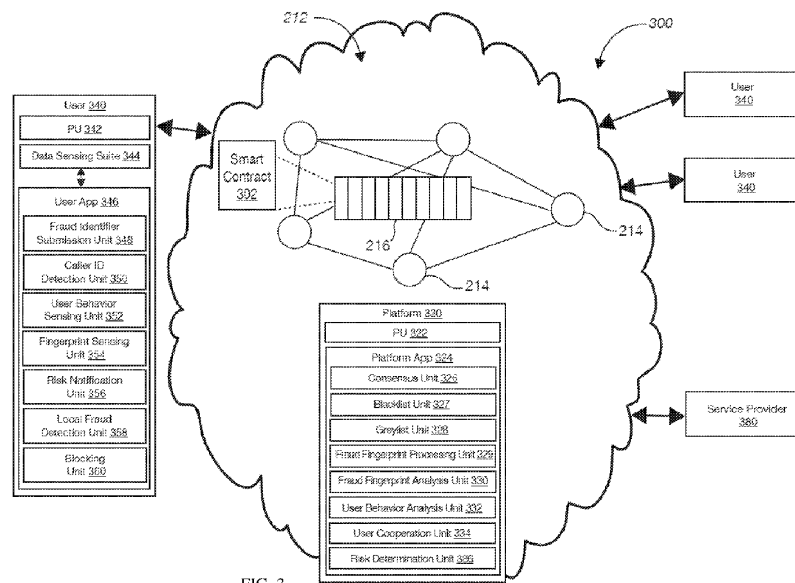


FIG. 3

(57) Abstract: Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for phone fraud prevention. One of the methods includes adding a first identifier of a first phone event of a first user into a blockchain managed by one or more devices on a decentralized network. The first identifier of the first phone event is classified into a list of phone fraud identifiers. A second identifier of a second phone event involving a second user is received. The second identifier is compared with the list of phone fraud identifiers that includes the first identifier. In a case where the second identifier matches a phone fraud identifier in the list of phone fraud identifiers, the first user is notified that the second phone event involves a risk of phone fraud.

[Continued on next page]

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