

(19)



(11)

EP 3 955 145 B8

(12)

CORRECTED EUROPEAN PATENT SPECIFICATION

(15) Correction information:

Corrected version no 1 (W1 B1)

Corrections, see

Bibliography INID code(s) 73

(51) International Patent Classification (IPC):

G06F 21/32 ^(2013.01) **H04L 9/32** ^(2006.01)

H04L 9/00 ^(2022.01) **H04L 9/40** ^(2022.01)

(48) Corrigendum issued on:

16.04.2025 Bulletin 2025/16

(52) Cooperative Patent Classification (CPC):

G06F 21/32; H04L 9/3231; H04L 9/3239;

H04L 9/3247; H04L 9/3263; H04L 9/50;

H04L 63/0861; H04L 63/126; G06V 40/30;

G06V 40/45

(45) Date of publication and mention
of the grant of the patent:

05.03.2025 Bulletin 2025/10

(21) Application number: **21182646.6**

(22) Date of filing: **30.06.2021**

(54) **BLOCKCHAIN-BASED ELECTRONIC SIGNATURE METHOD AND APPARATUS**

BLOCKCHAINBASIERTES ELEKTRONISCHES SIGNATURVERFAHREN UND -GERÄT

PROCÉDÉ ET APPAREIL DE SIGNATURE ÉLECTRONIQUE FONDÉE SUR UNE CHAÎNE DE BLOCS

(84) Designated Contracting States:

**AL AT BE BG CH CY CZ DE DK EE ES FI FR GB
GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO
PL PT RO RS SE SI SK SM TR**

(72) Inventor: **HE, Sanyuan**

Hangzhou, 310000 (CN)

(30) Priority: **14.08.2020 CN 202010817872**

(74) Representative: **Goddard, Heinz J.**

Boehmert & Boehmert

Anwaltspartnerschaft mbB

Pettenkoferstrasse 22

80336 München (DE)

(43) Date of publication of application:

16.02.2022 Bulletin 2022/07

(56) References cited:

CN-A- 111 931 152 US-A1- 2004 236 694

US-A1- 2020 258 176 US-B1- 10 671 712

(73) Proprietor: **Ant Blockchain Technology
(Shanghai) Co., Ltd.
Shanghai (CN)**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).