

Title (en)
SECURE DISTRIBUTED DATA PROCESSING

Title (de)
SICHERE VERTEILTE DATENVERARBEITUNG

Title (fr)
TRAITEMENT DE DONNÉES DISTRIBUÉ SÉCURISÉ

Publication
EP 3535924 A1 20190911 (EN)

Application
EP 16920471 A 20161104

Priority
CN 2016104553 W 20161104

Abstract (en)
[origin: WO2018082008A1] According to an example aspect of the present invention, there is provided an apparatus comprising at least one processing core, at least one memory including computer program codes, the at least one memory and the computer program codes being configured to, with the at least one processing core, cause the apparatus at least to receive, from at least one data provider, at least one ciphertext, the at least one ciphertext comprising a first ciphertext, perform a mathematical manipulation of the first ciphertext to modify the first ciphertext without decrypting the first ciphertext, the mathematical manipulation being selected in the apparatus in dependence of a mathematical operation to be performed on plaintext underlying the first ciphertext, obtain a second ciphertext from the modified first ciphertext by performing a cryptographic operation, wherein at least one number is randomly generated and used in masking plaintext underlying the second ciphertext, and provide the second ciphertext to an access control node.

IPC 8 full level
H04L 9/08 (2006.01)

CPC (source: EP)
H04L 9/008 (2013.01); **H04L 9/0827** (2013.01); **H04L 9/088** (2013.01); **H04L 9/0894** (2013.01); **H04L 9/302** (2013.01); **H04L 2209/46** (2013.01); **H04L 2209/76** (2013.01)

Designated contracting state (EPC)
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

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2018082008 A1 20180511; CN 110089071 A 20190802; CN 110089071 B 20230217; EP 3535924 A1 20190911; EP 3535924 A4 20200617

DOCDB simple family (application)
CN 2016104553 W 20161104; CN 201680091521 A 20161104; EP 16920471 A 20161104