

Title (en)  
SECURE DATA PROCESSING

Title (de)  
SICHERE DATENVERARBEITUNG

Title (fr)  
TRAITEMENT DE DONNÉES SÉCURISÉ

Publication  
**EP 3747150 A4 20210825 (EN)**

Application  
**EP 18903892 A 20180130**

Priority  
CN 2018074627 W 20180130

Abstract (en)  
[origin: WO2019148335A1] According to an example aspect of the present invention, there is provided there is provided an apparatus comprising at least one processing core, at least one memory including computer program code, the at least one memory and the computer program code being configured to, with the at least one processing core, cause the apparatus at least to process, using two random numbers R1, R 2, a pair of input ciphertexts to obtain a masked ciphertext encrypted using a public key of a computation node, provide the masked ciphertext to the computation node and receive a response from the computation node, and process the response to remove the mask, to obtain at least one of: a first output ciphertext comprising a maximum value of plaintexts corresponding to the input ciphertexts and a second output ciphertext comprising a minimum value of plaintexts corresponding to the input ciphertexts, wherein the output ciphertext is encrypted under a public key.

IPC 8 full level  
**H04L 9/14** (2006.01); **H04L 9/00** (2006.01)

CPC (source: EP)  
**H04L 9/008** (2013.01)

Citation (search report)

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- See references of WO 2019148335A1

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