Title (en)
METHODS AND SYSTEMS FOR SECURE DATA COMMUNICATION

Title (de)
VERFAHREN UND SYSTEME ZUR SICHEREN DATENÜBERTRAGUNG

Title (fr)
PROCÉDÉS ET SYSTÈMES POUR UNE COMMUNICATION DE DONNÉES SÉCURISÉE

Publication
EP 3701664 A1 20200902 (EN)

Application
EP 18870501 A 20181023

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• US 201715796577 A 20171027
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• CA 2018051339 W 20181023

Abstract (en)
[origin: WO2019079890A1] A computer-implemented method, which comprises: receiving an input message comprising N-bit input segments, N being an integer greater than one; converting the N-bit input segments into corresponding N-bit output segments using a 2N-by-2N one-to-one mapping stored in a non-transitory storage medium; and generating an output message comprising the N-bit output segments. Also, a computer-implemented method for a recipient to validate a message received from a sender, the message including a first part and a second part. This method comprises receiving a token from a witnessing entity; obtaining a first data element by joint processing of the first part of the message and the token; obtaining a second data element by joint processing of the second part of the message using a key associated with the sender; and validating the message by comparing the first and second data elements.

IPC 8 full level
H04L 9/00 (2006.01); **G06Q 20/06** (2012.01); **H03M 7/00** (2006.01); **H04L 7/00** (2006.01); **H04L 9/32** (2006.01)

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Cited by
US11621841B2; US11924339B2

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

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DOCDB simple family (publication)
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