

Title (en)

ZERO TRUST COMMUNICATION SYSTEM FOR FREIGHT SHIPPING ORGANIZATIONS, AND METHODS OF USE

Title (de)

NULL-VERTRAUENSKOMMUNIKATIONSSYSTEM FÜR FRACHTVERSANDORGANISATIONEN UND VERWENDUNGSVERFAHREN

Title (fr)

SYSTÈME DE COMMUNICATION À CONFIANCE NULLE POUR DES ORGANISATIONS D'EXPÉDITION DE FRET, ET PROCÉDÉS D'UTILISATION

Publication

EP 3931723 A4 20221109 (EN)

Application

EP 20762399 A 20200225

Priority

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- US 201916501399 A 20190406
- US 2020019661 W 20200225

Abstract (en)

[origin: WO2020176475A1] Presented herein are systems and methods of securely sharing data from multiple sources with different client terminals. A server may establish an electronic document for defining a transaction. The electronic document may have data fields. Each data field may be from a client terminal. The server may identify encryption keys to encrypt the corresponding data fields included in the electronic document. The server may distribute the encryption keys across the client terminals in accordance with an access control policy. The access control policy may specify access permissions for a client terminal to each of the plurality of data fields based on a role of the client terminal in the transaction. The server may provide, to each client terminal with access to the data fields in the electronic document via the encryption keys distributed in accordance with the access control policy.

IPC 8 full level

H04L 9/32 (2006.01); **G06F 16/93** (2019.01); **G06F 21/62** (2013.01); **G06F 21/64** (2013.01); **G06F 40/166** (2020.01); **G06Q 10/08** (2012.01); **G06Q 50/28** (2012.01); **H04L 9/00** (2022.01); **H04L 9/08** (2006.01); **H04L 9/40** (2022.01)

CPC (source: EP)

G06F 16/93 (2019.01); **G06F 21/6218** (2013.01); **G06F 21/64** (2013.01); **G06Q 10/08** (2013.01); **H04L 9/0825** (2013.01); **H04L 9/14** (2013.01); **H04L 9/3234** (2013.01); **H04L 9/3236** (2013.01); **H04L 9/3247** (2013.01); **H04L 9/50** (2022.05); **H04L 63/062** (2013.01); **H04L 63/10** (2013.01); **G06Q 2220/00** (2013.01)

Citation (search report)

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- [IA] US 2013031366 A1 20130131 - SIMSKE STEVEN J [US], et al
- [A] WO 2017090041 A1 20170601 - BEN-ARI ADI [GB]
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- See also references of WO 2020176475A1

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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WO 2020176475 A1 20200903; CN 114008611 A 20220201; EP 3931723 A1 20220105; EP 3931723 A4 20221109; SG 11202109273Q A 20210929; TW 202040568 A 20201101; TW 202215362 A 20220416; TW I753367 B 20220121; TW I829061 B 20240111

DOCDB simple family (application)

US 2020019661 W 20200225; CN 202080029758 A 20200225; EP 20762399 A 20200225; SG 11202109273Q A 20200225; TW 109106120 A 20200225; TW 110149442 A 20200225