

Title (en)

METHOD AND DEVICE FOR SECURING A BI-DIRECTIONAL INTERLEVEL COMMUNICATION CHANNEL

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SICHERUNG EINES BIDIREKTIONALEN ZWISCHEN EBENEN KOMMUNIKATIONSKANALS

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SÉCURISATION D'UN CANAL DE COMMUNICATION BIDIRECTIONNEL INTER-NIVEAUX

Publication

EP 2594048 A1 20130522 (FR)

Application

EP 11743114 A 20110713

Priority

- FR 1002958 A 20100713
- FR 2011051676 W 20110713

Abstract (en)

[origin: WO2012007693A1] The invention relates to a method for securing a bidirectional communication channel between at least one source network (N1) and one destination network (N3) via a transit network (N2), the level of security of which is lower than that of the source and destination networks. The method includes the following steps during the transmission of first data from the source network (N1) to the transit network (N2) and to the destination network (N3) via the transit network (N2): implementing a filter (48) for said data, which includes applying (50, 52) an analysis filter to said data in order to prevent the creation of a hidden communication channel; transmitting (76) said filtered data to the transit network (N2); duplicating (46) said data; cryptographically protecting (42) said duplicated data; and transmitting (44) said protected data to the destination network (N3). Said filtered data are not transmitted by the transit network (N2) to the destination network (N3).

IPC 8 full level

H04L 29/06 (2006.01)

CPC (source: EP)

H04L 63/08 (2013.01); **H04L 63/105** (2013.01)

Citation (search report)

See references of WO 2012007693A1

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

DOCDB simple family (publication)

WO 2012007693 A1 20120119; EP 2594048 A1 20130522; FR 2962868 A1 20120120; FR 2962868 B1 20120810

DOCDB simple family (application)

FR 2011051676 W 20110713; EP 11743114 A 20110713; FR 1002958 A 20100713