Title (en)

PERVASIVE, USER-CENTRIC NETWORK SECURITY ENABLED BY DYNAMIC DATAGRAM SWITCH AND AN ON-DEMAND AUTHENTICATION AND ENCRYPTION SCHEME THROUGH MOBILE INTELLIGENT DATA CARRIERS

Title (de)

ÜBERGREIFENDE BENUTZERZENTRISCHE NETZWERKSICHERHEIT, ERMÖGLICHT DURCH DYNAMISCHEN DATAGRAMMWECHSEL UND AUF-BEDARF-AUTHENTIFIZIERUNG UND VERSCHLÜSSELUNGSSCHEMA DURCH MOBILE INTELLIGENTE DATENTRÄGER

Title (fr)

SYSTEME DE SECURITE DE RESEAU EFFICACE ET CENTRE SUR L'UTILISATEUR VALIDE PAR UNE COMMUTATION DYNAMIQUE DE DATAGRAMMES ET PAR UNE STRUCTURE DE CHIFFREMENT ET D'AUTHENTIFICATION A LA DEMANDE PAR L'INTERMEDIAIRE DE PORTEUSES DE DONNEES INTELLIGENTES ET MOBILES

Publication

EP 1620773 A4 20111123 (EN)

Application

EP 04706073 A 20040128

Priority

- US 2004002438 W 20040128
- US 42889503 A 20030502
- US 75978904 A 20040116

Abstract (en)

[origin: WO2004099940A2] Methods and systems are provided for improving access control, administrative monitoring, reliability, as well as flexibility of data transmission and remote application sharing over a network. Secure, stable network connections and efficient network transactions among multiple users are supported by an open and distributed client-server architecture. A datagram schema is adapted to enable dynamic datagram switching in support of a multitude of applications and network services. Mobile intelligent data carriers are provided that allow for the implementation of an authentication and encryption scheme. The intelligent data carriers are adapted to target deliver applications to authorized users, thereby achieving access control to not only data but also applications. The authentication and encryption scheme in one embodiment is based on physical or performance biometrics. The methods and systems of this disclosure may be advantageously deployed in an enterprise network environment to support a wide spectrum of business, research, and administrative operations.

IPC 8 full level

H04L 9/32 (2006.01); **G06F 15/173** (2006.01); **G06F 21/34** (2013.01); **G06F 21/41** (2013.01); **G06F 21/60** (2013.01); **G06F 21/74** (2013.01); **G06F 21/77** (2013.01); **G10L 15/00** (2013.01); **G10L 17/00** (2013.01); **G10L 17/10** (2013.01); **H04K 1/00** (2006.01); **H04L 9/08** (2006.01); **H04L 9/10** (2006.01); **H04L 29/06** (2006.01)

IPC 8 main group level

G06F (2006.01)

CPC (source: EP KR)

G06F 15/00 (2013.01 - KR); **G06F 21/34** (2013.01 - EP); **H04L 9/08** (2013.01 - KR); **H04L 63/0428** (2013.01 - EP); **H04L 63/0861** (2013.01 - EP)

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Citation (examination)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

Designated extension state (EPC)

AL LT LV MK

DOCDB simple family (publication)

WO 2004099940 A2 20041118; **WO 2004099940 A3 20060518**; **WO 2004099940 A8 20060803**; AU 2004237046 A1 20041118; AU 2004237046 B2 20080228; BR PI0409844 A 20060516; CA 2525490 A1 20041118; CA 2525490 C 20120124; EP 1620773 A2 20060201; EP 1620773 A4 20111123; JP 2007524892 A 20070830; JP 4430666 B2 20100310; KR 100825241 B1 20080425; KR 20060041165 A 20060511; NO 20055067 D0 20051031; NO 20055067 L 20060202; NO 335789 B1 20150216; RU 2005137570 A 20060610; RU 2308080 C2 20071010

DOCDB simple family (application)

US 2004002438 W 20040128; AU 2004237046 A 20040128; BR PI0409844 A 20040128; CA 2525490 A 20040128; EP 04706073 A 20040128; JP 2006508631 A 20040128; KR 20057020870 A 20051102; NO 20055067 A 20051031; RU 2005137570 A 20040128