

Nicolas Vargas

#### Search history

Search PN=(WO2015119606) (Results 1)

1:

2: [SP]: 1. a system for providing a multiple secure link (msl) architecture, comprising: a msl virtual private network (vpn) component that includes first logic that, when executed by a processor, causes the system to perform the following: create a first vpn tunnel between a client workstation and a first owner gateway send an outbound datagram from the client workstation to the first owner gateway receive an inbound datagram from the first owner gateway to the client workstation, wherein the inbound datagram includes a source internet protocol (ip) address and a destination ip address that is set to a vpn owner private ip address and send the inbound datagram with the destination ip address and a msl twin network address translator (nat) that includes second logic that, when executed by the processor, causes the system to perform at least the following: receive the inbound datagram from msl vpn record a new vpn owner private ip address from the source ip address in the inbound datagram assign a new unique private ip (upip) address for the inbound datagram and the client workstation and send the inbound datagram to the client workstation, wherein the system additionally creates a second vpn tunnel between the client workstation and a second owner gateway while the first vpn tunnel is being utilized. 2. the system of claim 1, wherein the first logic further causes the system to perform the following: encrypt the outbound datagram and transfer the outbound datagram to the first owner gateway and receive the inbound datagram in an encrypted form from the first owner gateway and decrypt the inbound datagram. 3. the system of claim 1, wherein the second logic further causes the system to map a upip address in the outbound datagram to a private ip address. 4. the system of claim 1, further comprising a msl vpn user interface component that includes third logic that, when executed by the processor, causes the system to provide a user interface for establishing the first vpn tunnel to the client workstation. 5. the system of claim 1, further comprising a msl management component that includes fourth logic that, when executed by the processor, causes the system to create the first vpn tunnel. 6. the system of claim 1, wherein the second logic further causes the system to forward the inbound datagram to a commercial off the shelf (cots) clear text process component for processing the inbound datagram. 7. the system of claim 1, wherein the msl twin nat and the msl vpn reside on the client workstation and wherein the client workstation further includes a msl vpn user interface component and a msl management component. 8. the system of claim 1, further comprising an msl server, wherein the msl vpn and the msl twin nat reside on the msl server that is remote from the client workstation, wherein the system further comprises an msl vpn user interface component, a first msl vpn component, and a first msl management component that reside on the client workstation, and wherein the system further comprises a commercial off the shelf (cots) clear text process component, a cots vpn component, and a second msl management component that reside on the msl server. 9. the system of claim 1, further comprising an msl gateway router that includes the msl vpn and the msl twin nat, wherein the system further comprises a first cots vpn component, a msl management component that reside on the client workstation, and wherein the system further comprises a second cots vpn component and an msl server management component that reside on the msl gateway router. 10. the system of claim 1, further comprising a msl appliance and a msl server, wherein the msl vpn component and the msl twin nat reside on the msl server, wherein the system further comprises a first cots vpn component and a msl vpn user interface component that reside on the client workstation, wherein the system further comprises a first msl server management component, a second cots vpn component, a third cots vpn component, and a cots clear text process client component that reside on the msl appliance, and wherein the system further comprises a second msl server management component, a fourth cots vpn component, and a second cots clear text process client that reside on the msl server. 11. the system of claim 1, further comprising a msl network operations center (noc), wherein the msl twin nat and the msl vpn component reside on the noc, wherein the system further comprises a cots vpn client, a msl vpn user interface component, and a msl management component that reside on the client workstation, and wherein the system further comprises a cots vpn component, a cots clear text process component, a session manager component, and a login manager component that reside on the msl noc. 12. a method for providing a multiple secure link (msl) architecture, comprising: creating a first vpn tunnel between a client workstation and a first owner gateway sending an outbound datagram from the client workstation to the first owner gateway receiving an inbound datagram from the first owner gateway to the client workstation, wherein the inbound datagram includes a source internet protocol (ip) address and a destination ip address that is set to a vpn owner private ip address recording a new vpn owner private ip address from the source ip address in the inbound datagram assigning a new unique private ip (upip) address for the inbound datagram and the client workstation and sending the inbound datagram to the client workstation, wherein the system additionally creates a second vpn tunnel between the client workstation and a second owner gateway while the first vpn tunnel is being utilized. 13. the method of claim 12, further comprising: encrypting the outbound datagram and transfer the outbound datagram to the first owner gateway and receiving the inbound datagram in an encrypted form from the first owner gateway and decrypt the inbound datagram. 14. the method of claim 12, further comprising mapping a upip address in the outbound datagram to a private ip address. 15. the method of claim 12, further comprising providing a user interface for establishing the vpn tunnel to the client workstation. 16. the method of claim 12, further comprising creating the first vpn tunnel. 17. the method of claim 12, further comprising forwarding the inbound datagram to a commercial off the shelf (cots) clear text process component for processing the inbound datagram. 18. a non-transitory computer-readable medium for providing a multiple secure link (msl) architecture that includes logic that, when executed by a computing device, causes the computing device to perform at least the following: create a first vpn tunnel between a client workstation and a first owner gateway send an outbound datagram from the client workstation to the first owner gateway receive an inbound datagram from the first owner gateway to the client workstation, wherein the inbound datagram includes a source internet protocol (ip) address and a destination ip address that is set to a vpn owner private ip address record a new vpn owner private ip address from the source ip address in the inbound datagram assign a new unique private ip (upip) address for the inbound datagram and the client workstation and send the inbound datagram to the client workstation, wherein the system additionally creates a second vpn tunnel between the client workstation and a second owner gateway while the first vpn tunnel is being utilized. 19. the non-transitory computer-readable medium of claim 18, wherein the logic further causes the computing device to perform at least the following: encrypt the outbound datagram and transfer the outbound datagram to the first owner gateway and receive the inbound datagram in an encrypted form from the first owner gateway and decrypt the inbound datagram. (Results 30)

Search 2 and user interface and decrypt\* (Results 6)

3:

1) Family number: 30127971 (US2003005103A)

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Title: CUMULATIVE STATUS OF ARITHMETIC OPERATIONS

**Abstract:** Source: US2003005103A The present invention relates to a general-purpose programmable packet-processing platform for accelerating network infrastructure applications which have been structured so as to separate the stages of classification and action. Network packet classification, execution of actions upon those packets, management of buffer flow, encryption services, and management of Network Interface Controllers are accelerated through the use of a multiplicity of specialized modules. A language interface is defined for specifying both stateless and stateful classification of packets and to associate actions with classification results in order to efficiently utilize these specialized modules.

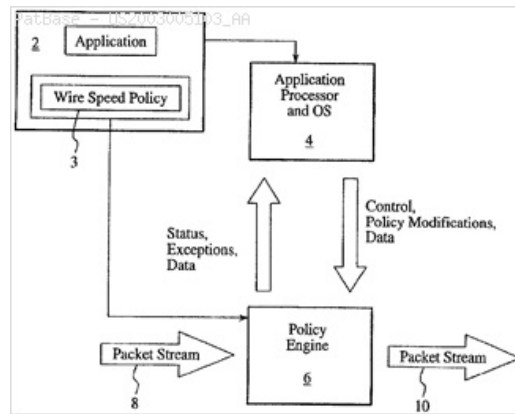
**Classifications:**

**International (IPC 8-9):** G06F13/00 G06F9/30 G06F9/38 H04L12/24  
H04L12/56 H04L12/761 H04L12/801 H04L12/861 H04L12/863  
H04L12/879 H04L29/06 H04L9/32 (Advanced/Invention)

**International (IPC 1-7):** G06F13/00 G06F15/16 G06F15/173  
H04L12/56

**CPC:** H04L45/16 G06F9/30021 G06F9/30029 G06F9/30036  
G06F9/30094 G06F9/30127 G06F9/30145 G06F9/30167 G06F9/3885

H04L29/06 H04L41/0893 H04L47/10 H04L47/627 H04L49/90  
H04L49/901 H04L49/9031 H04L49/9047 H04L49/9094 H04L69/03  
H04L69/12  
**European:** G06F9/30A1C G06F9/30A1L G06F9/30A1P G06F9/30B  
G06F9/30R4 G06F9/30R5C2 G06F9/30R5D G06F9/30T G06F9/30T4T  
G06F9/38T H04L12/24E3 H04L29/06 H04L41/08F H04L47/10  
H04L47/62G4 H04L49/90 H04L49/90C H04L49/90H H04L49/90M  
H04L49/90S T04L29/06B T04L29/06G  
**US:** 1/1 370/389 708/525 709/201 709/201S 709/223 709/223P  
709/228 709/232 709/236 709/238 709/238P 711/110 712/3  
712/E9.018 712/E9.02 712/E9.025 712/E9.028 712/E9.071  
712/E9.079 712/E90.18S 712/E90.20S 712/E90.25S 712/E90.28S  
712/E90.71S 712/E90.79S 717/140 726/4 726/4P



#### Family:

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| AT491287 E         | 20101215         | AT19990928599T     | 19990610         |
| AU199945633 A1     | 20000105         | AU19990045633      | 19990610         |
| AU199945633 A5     | 20000105         | AU19990045633      | 19990610         |
| DE69943021 D1      | 20110120         | DE19996043021      | 19990610         |
| EP1090485 A1       | 20010411         | EP19990928599      | 19990610         |
| EP1090485 A4       | 20030319         | EP19990928599      | 19990610         |
| EP1090485 B1       | 20101208         | EP19990928599      | 19990610         |
| US2003005103 AA    | 20030102         | US20020059770      | 20020128         |
| US2003046423 AA    | 20030306         | US20020084815      | 20020227         |
| US2003061332 AA    | 20030327         | US20020100746      | 20020318         |
| US2004143655 AA    | 20040722         | US20030748997      | 20031229         |
| US2004148382 AA    | 20040729         | US20030748311      | 20031229         |
| US2007169179 AA    | 20070719         | US20070623297      | 20070115         |
| US2014140342 AA    | 20140522         | US20130023624      | 20130911         |
| US6157955 A        | 20001205         | US19980097858      | 19980615         |
| US6401117 BA       | 20020604         | US19990282790      | 19990331         |
| US6421730 BA       | 20020716         | US19990283662      | 19990401         |
| US6625689 BB       | 20030923         | US20020100746      | 20020318         |
| US6701338 BB       | 20040302         | US20020059770      | 20020128         |
| US6859841 BB       | 20050222         | US20020084815      | 20020227         |
| US7171486 BB       | 20070130         | US20030748997      | 20031229         |
| US7191433 BB       | 20070313         | US20030748311      | 20031229         |
| US8549256 BB       | 20131001         | US20070623297      | 20070115         |
| US9294386 BB       | 20160322         | US20130023624      | 20130911         |
| WO9966680 A1       | 19991223         | WO1999US13271      | 19990610         |
| WO9966680 C2       | 20000706         | WO1999US13271      | 19990610         |

#### Priority:

|               |          |               |          |               |          |
|---------------|----------|---------------|----------|---------------|----------|
| US19980097858 | 19980615 | US19990282790 | 19990331 | US20020084815 | 20020227 |
| US20020100746 | 20020318 | US20020059770 | 20020128 | US19990283662 | 19990401 |
| US20070623297 | 20070115 | US20030748997 | 20031229 | US20030748311 | 20031229 |
| WO1999US13271 | 19990610 | US20130023624 | 20130911 |               |          |

#### Probable Assignee: INTEL CORP

**Assignee(s):** (std): INTEL CORP ; INTEL CORPOARTION ; NARAD CHARLES ; NARAD CHARLES E ; NETBOOST CORP

**Assignee(s):** RAND LEONARD M ; SHANKAR PRADIP ; MACAVOY NEIL ; FALL KEVIN ; HALL JERRY J

**Inventor(s):** (std): FALL KEVIN ; HALL JERRY J ; MACAVOY NEIL ; NARAD CHARLES E ; RAND LEONARD M ; SHANKAR PRADIP ; RAND LEONARD ; PRADIP SHANKAR ; NEIL MACAVOY ; LEONARD M RAND ; KEVIN FALL ; JERRY J HALL ; HALL JERRY ; CHARLES E NARAD ; NARAD CHARLES

**Agent(s):** HARRISON GODDARD FOOTE; CAVEN AND AGHEVLI C O INTELLEVATE; ROBERT A; LAW OFFICE OF R ALAN BURNETT PS

**Designated states:** AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CY CZ DE DK EE ES FI FR GA GB GD GE GH GM GN GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TG TJ TM TR TT UA UG UZ VN YU ZW

## 2) Family number: 33435995 (US2006225130A)

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**Title:** SECURE LOGIN CREDENTIALS FOR SUBSTANTIALLY ANONYMOUS USERS

**Abstract:** Source: US2006225130A Methods and apparatus for secure communications. The techniques feature receiving over the first connection a login credential for the server, generated by the server without the use of any information identifying a computer user. The techniques further feature establishing a second secure connection with the server using a secure protocol and the login credential provided by the server.

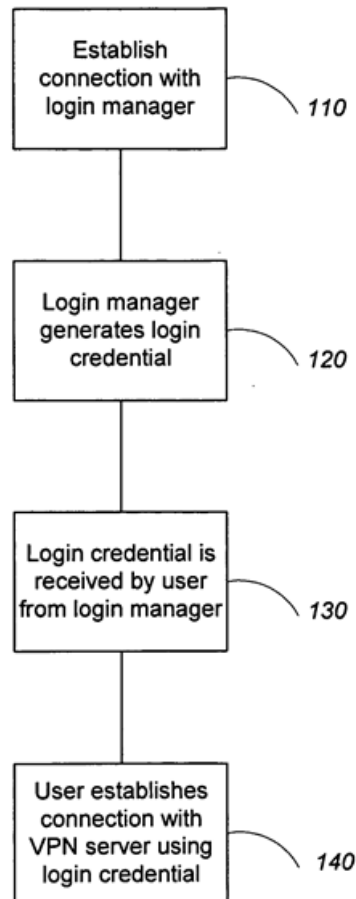
#### Classifications:

**International (IPC 8-9):** G06F15/16 G06F17/30 G06F7/04 G06F7/58  
G06K19/00 G06K9/00 H04K1/00 H04L9/00  
H04L9/32 (Advanced/Invention);  
G06F15/16 G06F17/30 G06F7/02 G06F7/58 G06K19/00 G06K9/00  
H04K1/00 H04L9/00 H04L9/32 (Core/Invention)

**CPC:** H04L63/0407 H04L63/083

**European:** H04L29/06S4A H04L29/06S8D H04L63/04A H04L63/08D

**US:** 713/158 713/183 713/183S 713/184 713/184S 726/14 726/5  
726/5P 726/7 726/7S

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2006225130 AA    | 20061005         | US20050096432      | 20050331         |
| US7661128 BB       | 20100209         | US20050096432      | 20050331         |

**Priority:**

US20050096432 20050331

**Probable Assignee:** GOOGLE LLC**Assignee(s):** (std): CHEN KAI ; GOOGLE INC ; SHEN SHIOUPYN**Assignee(s):** GOOGLE LLC**Inventor(s):** (std): SHEN SHIOUPYN ; CHEN KAI**Agent(s):** FISH AND RICHARDSON PC**3) Family number: 41020841 (US2008005791A)**

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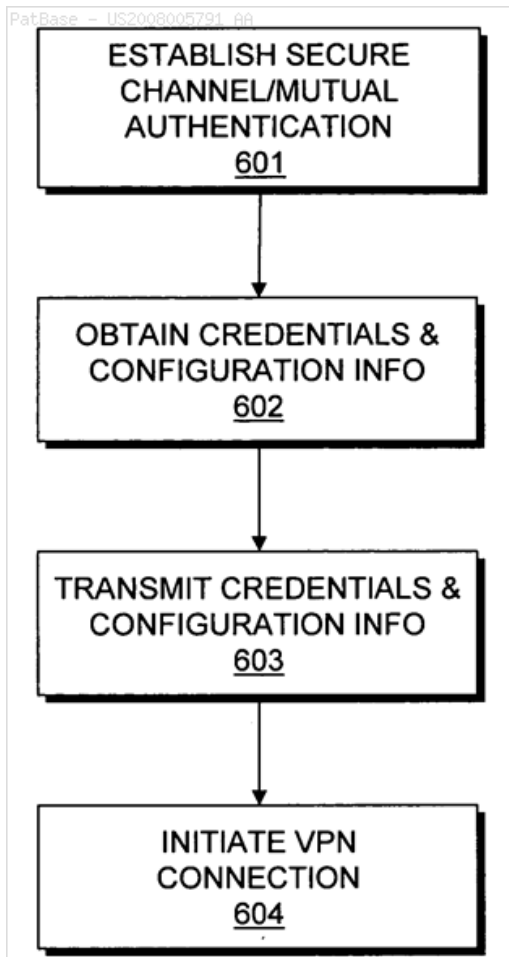
**Title:** METHOD AND APPARATUS FOR SUPPORTING A VIRTUAL PRIVATE NETWORK ARCHITECTURE ON A PARTITIONED PLATFORM

**Abstract:** Source: US2008005791A A computer system includes a service partition, not directly accessible to a user, having a security agent to inspect data entering and exiting the computer system on a virtual private network (VPN) tunnel, and a service partition VPN unit to communicate with a VPN gateway. The computer system also includes a user partition, accessible to a user, having a user partition VPN unit to initiate construction of the VPN tunnel with the VPN gateway. Other embodiments are described and claimed.

**Classifications:**

**International (IPC 8-9):** G06F15/16 G06F9/00 (Advanced/Invention); G06F15/16 (Core/Invention)

**CPC:** G06F21/562 H04L63/0272**European:** G06F21/56B H04L29/06S2C H04L63/02C**US:** 370/351 726/15 726/15P

**Family:**

| Publication number | Publication date | Application number | Application date |
|--------------------|------------------|--------------------|------------------|
| US2008005791 AA    | 20080103         | US20060479609      | 20060630         |
| US8281387 BB       | 20121002         | US20060479609      | 20060630         |

**Priority:**

US20060479609 20060630

**Probable Assignee:** INTEL CORP**Assignee(s):** (std): INTEL CORP ; KHOSRAVI HORMUZD M ; SOOD KAPIL ; YOON JEONG ; WALKER JESSE ; GREWAL KARANVIR ; GUPTA AJAY**Inventor(s):** (std): GREWAL KARANVIR ; GUPTA AJAY ; KHOSRAVI HORMUZD M ; SOOD KAPIL ; WALKER JESSE ; YOON JEONG**Agent(s):** LAWRENCE CHO, C/O INTELLEVATE; LAWRENCE CHO C O INTELLEVATE; L**4) Family number: 49729006 (US2011249079A)**

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**Title:** TRANSITIONING BETWEEN CIRCUIT SWITCHED CALLS AND VIDEO CALLS

**Abstract:** Source: US2011249079A Transitioning between an audio only circuit switched call and a video call. A client device, which is currently connected to one or more other client devices through an established audio only circuit switched call, receives input from a user to transition from the audio only circuit switched call to the video call. A video call invitation message is transmitted to the other client devices. The client device receives a video call accept message from the other client devices and begins transmitting video captured by its front facing camera to the other client devices. Responsive to receiving at least a video frame from each of the one or more other client devices, the client device transitions from the audio only circuit switched call to the video call. After transitioning to the video call, the circuit switched call is dropped.

**Classifications:**

**International (IPC 8-9):** A63F13/30 A63F13/34 A63F13/795  
G06F13/00 G06F15/16 G06F9/46 G06F9/48 H04L12/28 H04L12/417  
H04L12/50 H04L12/58 H04L12/66 H04L12/70 H04L12/701  
H04L12/749 H04L29/06 H04L29/08 H04L29/12 H04M11/00 H04M3/56  
H04M7/00 H04M7/12 H04N7/14 H04N7/15 H04W4/00 H04W4/12  
H04W4/14 H04W8/26 H04W8/10 H04W92/18 (Advanced/Invention);  
H04L29/08 (Advanced/Non-invention)

**CPC:** H04L67/104 H04L61/256 H04L51/04 H04L51/28 H04L67/26  
H04L29/06197 H04L29/06326 H04L29/06333 H04L29/06353  
H04L29/06367 H04L29/06414 H04L29/06442 H04L65/1069  
H04L65/1073 H04W4/14 H04M7/0039 H04M2201/50 H04L65/1083  
H04L65/1089 H04L65/403 H04L65/4061 H04M7/0057 H04L51/34  
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A63F2300/5566 H04L29/125 H04L29/12509 H04L61/2564  
H04L61/2567

**European:** A63F13/12 H04L29/06M2H2 H04L29/06M2S1  
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H04L29/08N9P H04L29/12A4A8A H04L29/12A4A8B H04L51/28  
H04L61/25A8A H04L61/25A8B H04M7/00D18 K63F300/40M

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US: 348/14.01 348/14.02 348/14.020P 348/14.11 348/14.110P  
348/14.110S 348/E7.078 348/E70.78S 370/328 370/328S 370/352  
370/352S 370/431 455/412.2 455/414.1 455/466 455/466P 455/509  
709/202 709/202P 709/204 709/206 709/206P 709/227 709/227P  
709/228 709/232 713/159 713/172



#### Family:

| Publication number | Publication date | Application number | Application date |
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| AU2010350741 AA    | 20111013         | AU20100350741      | 20100923         |
| AU2010350741 BB    | 20141009         | AU20100350741      | 20100923         |
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| US8725880 BB    | 20140513 | US20100886485 | 20100920 |
| US8751667 BB    | 20140610 | US20110223266 | 20110831 |
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#### Priority:

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| CN201080066030 | 20100923 | DE201011005457T | 20100923 | US20100321832P | 20100407 |
| EP20100763094  | 20100923 | EP20100774026   | 20100923 | EP20100774025  | 20100923 |
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| WO2010US50065  | 20100923 | US20130852486   | 20130328 | US20130860370  | 20130410 |
| US20140575093  | 20141218 |                 |          |                |          |

#### Probable Assignee: APPLE INC

**Assignee(s):** (std): BROWN JEREMY ; SANTAMARIA JUSTIN ; GATES PATRICK ; KLAHN MATTHEW ; MATHIAS ARUN ; KLAHN MATTHEW ; MCLEOD DAVID ; SINGH RAKESH ; HARDEMAN LON ; KEEN DAN ; CONVERSE JOSH ; WOOD JUSTIN ; WERNER JEREMY ; VYRROS ANDREW H ; TUNG BERKAT S ; YAO DREW ; THOMAS BRADEN ; WYLD JEREMY ; SUBRAMANIAM SELVA ; SINHA SUDIPT ; STRAHM ERIK ; SMITH PHILIP ; WERNER JEREMY MATTHEW ; ABUAN JOE ; APPLE INC

**Assignee(s):** APPLE INC CUPERTINO

**Inventor(s):** (std): ABUAN JOE ; BROWN JEREMY ; CONVERSE JOSH ; DAVID MCLEOD ; HARDEMAN LON ; JEREMY BROWN ; GATES PATRICK ; JUSTIN SANTAMARIA ; KEEN DAN ; KLAHN MATTHEW ; KLAHN MATTHEW ; MATHIAS ARUN ; MATHIAS ARUN ; MCLEOD DAVID ; MATHIAS ARUN ; PATRICK GATES ; SANTAMARIA JUSTIN ; SINGH RAKESH ; SINHA SUDIPT ; SMITH PHILIP ; STRAHM ERIK ; SUBRAMANIAM SELVA ; THOMAS BRADEN ; TUNG BERKAT S ; VYRROS ANDREW H ; WERNER JEREMY ; WERNER JEREMY MATTHEW ; WOOD JUSTIN ; WYLD JEREMY ; YAO DREW

**Inventor(s):** YAO DREW CUPERTINO ; WOOD JUSTIN CUPERTINO ; WERNER JEREMY MATTHEW CUPERTINO ; VYRROS ANDREW H CUPERTINO ; THOMAS BRADEN CUPERTINO ; SANTAMARIA JUSTIN CUPERTINO ; MATHIAS ARUN CUPERTINO ; MCLEOD DAVID CUPERTINO ; MATTHEW KLAHN ; KLAHN MATTHEW CUPERTINO ; JUSTIN WOOD ; GATES PATRICK CUPERTINO ; JEREMY MATTHEW WERNER ; JEREMY WERNER ; JOE ABUAN ; DREW YAO ; BROWN JEREMY CUPERTINO ; ABUAN JOE CUPERTINO ; ANDREW H VYRROS ; ARUN MATHIAS ; ARUN MATHIAS ; BERKAT S TUNG ; BRADEN THOMAS

**Agent(s):** FREEHILLS PATENT ATTORNEYS; HERBERT SMITH FREEHILLS; FREEHILLS PATENT ATTORNEY S; FPA PATENT ATTORNEYS PTY LTD; BARDEHLE PAGENBERG PARTNERSCHAFT MBB PATENTANWALTE RECHTSANWALTE; BARTON RUSSELL GLEN; Barnfather Karl Jon; DURAN LUIS ALFONSO; UESUGI HIROSHI; KOSHISHIBA ERI; OHTSUKA FUMIAKI; KUMAKURA YOSHIO; NISHIJIMA TAKAKI; BLAKELY SOKOLOFF TAYLOR AND ZAFMAN LLP; VINCENT LESTER J ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

#### 5) Family number: 50431367 (US2012002813A)

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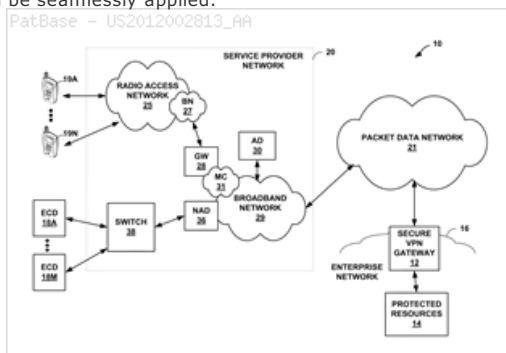
**Title:** MULTI-SERVICE VPN NETWORK CLIENT FOR MOBILE DEVICE

**Abstract:** Source: US2012002813A An integrated, multi-service network client for cellular mobile devices is described. The multi-service network client can be deployed as a single software package on cellular mobile network devices to provide integrated services including secure enterprise virtual private network (VPN) connectivity, acceleration, security management including monitored and enforced endpoint compliance, and collaboration services. Once installed on the cellular mobile device, the multi-service client integrates with an operating system of the device to provide a single entry point for user

authentication for secure enterprise connectivity, endpoint security services including endpoint compliance with respect to anti-virus and spyware software, and comprehensive integrity checks. That is, the multi-service client provides a common **user interface** to the integrated services, and provides a VPN handler that interfaces with the operating system to provide an entry point for network traffic to which the integrated services can be seamlessly applied.

#### Classifications:

**International (IPC 8-9):** G06F15/16 G06F17/00 G06F21/00 G06F21/20 G06F9/00 H04K1/00 H04L12/24 H04L12/46 H04L12/58 H04L29/06 H04L29/08 H04L29/12 H04W12/00 H04W12/02 H04W12/06 H04W4/00 H04W76/02 H04W88/02 (Advanced/Invention); H04W76/02 H04W88/02 (Advanced/Non-invention)  
**CPC:** H04L63/164 H04L63/166 H04W12/02 H04L61/301 H04L63/0428 H04L61/30 H04L29/12594 H04W4/00 H04W88/02 Y10S379/901 H04L63/08 H04W12/06 H04W76/19 H04W76/10 H04L63/0272 H04L12/4633 H04L12/4641 H04L63/0815 H04L63/1433 H04L12/4633 H04L12/4641 H04L63/0815 H04L63/1433  
**European:** H04L12/46E H04L12/46V H04L29/06S16C H04L29/06S16E H04L29/12A5 H04L61/30 H04L61/30C H04L63/02C H04L63/04B H04L63/08B H04L63/16C H04L63/16D H04W12/00 H04W12/06 H04W4/00 T04L63/08 T04L63/14C T04W76/02 T04W76/02R T04W88/02  
**US:** 1/1 370/328 379/901 380/247 380/270 380/270P 709/225 709/227 713/152 713/153 713/153P 726/11 726/14 726/15 726/15P 726/15S 726/2 726/3



#### Family:

| Publication number | Publication date | Application number | Application date |
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| US2012002815 AA    | 20120105         | US20100968048      | 20101214         |
| US2012005476 AA    | 20120105         | US20100968015      | 20101214         |
| US2012005477 AA    | 20120105         | US20100968067      | 20101214         |
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| US8473734 BB       | 20130625         | US20100968067      | 20101214         |
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| US9363235 BB       | 20160607         | US20130041873      | 20130930         |

#### Priority:

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| EP20110169568 20110610 | EP20110169569 20110610 | US20100398758P 20100630 |
| US20100967977 20101214 | US20100968013 20101214 | EP20110169570 20110610  |
| US20100968043 20101214 | US20100968015 20101214 | US20100968067 20101214  |
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| US20130041873 20130930 |                        |                         |

**Probable Assignee:** PULSE SECURE LLC

**Assignee(s):** (std): IYER SUBRAMANIAN ; JUNIPER NETWORKS INC ; WEI YIN ; WOOD JAMES ; WEI VIKKI YIN ; PULSE SECURE LLC ; CAMPAGNA RICHARD

**Assignee(s):** CERBERUS BUSINESS FINANCE LLC COLLATERAL AGENT AS ; US BANK NATIONAL ASSOCIATION COLLATERAL AGENT AS ; PULSE SECURE LLC NDGESD STAATES DELAWARE SAN JOSE ; JUNIPER NETWORKS INC SUNNYVALE

**Inventor(s):** (std): CAMPAGNA RICHARD ; IYER SUBRAMANIAN ; WEI VIKKI YIN ; WEI YIN ; WOOD JAMES ; YIN WEI ; SUBRAMANIAN IYER ; RICHARD CAMPAGNA ; JAMES WOOD

**Inventor(s):** WOOD JAMES GILROY ; WEI YIN SAN JOSE ; IYER SUBRAMANIAN FREMONT ; CAMPAGNA RICHARD SAN JOSE

**Agent(s):** D YOUNG AND CO LLP; HARRIS IAN RICHARD; MELDRUM DAVID JAMES; SHUMAKER AND SIEFFERT PA; SHUMAKER AND SIEFFERT P A

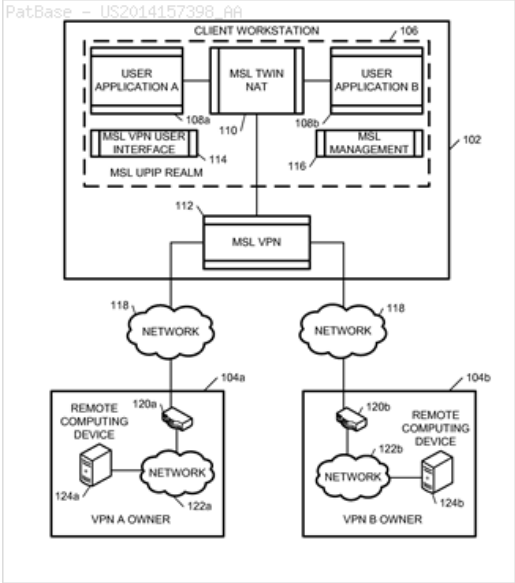
**Designated states:** AL AT BA BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

6) Family number: 56610500 (US2014157398A) © PatBase

**Title:** SYSTEMS AND METHODS FOR PROVIDING A MULTIPLE SECURE LINK ARCHITECTURE

**Abstract:** Source: US2014157398A Some embodiments disclosed herein include a MSL twin network address translator (NAT) that includes logic that, when executed by a processor, causes the MSL twin NAT to receive inbound datagram from MSL VPN and record a new VPN owner private IP address from a source IP address in the inbound datagram. In some embodiments the logic causes the MSL twin NAT to assign a new UPIP for the inbound datagram and client workstation and facilitate sending the inbound datagram to the client workstation.

**Classifications:**  
**International (ipc 8-9):** G06F21/00 H04L H04L12/28 H04L12/46 H04L12/58 H04L12/70 H04L12/723 H04L12/749 H04L29/06 H04L29/12 H04L9/06 H4L12/28 (Advanced/Invention)  
**CPC:** H04L63/0272 H04L61/2092 H04L61/2514 H04L61/2525 H04L61/2592 H04L12/4641 H04L12/4633  
**US:** 1/1 726/15



**Family:**

| Publication number | Publication date | Application number | Application date |
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| CA2938422 AA       | 20160729         | CA20142938422      | 20140206         |
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**Priority:**  
US20140174452 20140206      WO2014US15035 20120206      WO2014US15035 20140206  
ZA20160005362 20160804

**Probable Assignee:** ACCELERATION SYSTEMS LLC

**Assignee(s):** (std): ACCELERATION SYSTEMS LLC ; ACCELERATION SYSTEMS ; ACCELERATION SYSTEMS CO LTD ; ACCELERATION SYSTEMS LLC

**Assignee(s):** MCKINNEY JACK DENNIS

**Inventor(s):** (std): DENNIS MCKINNEY JACK ; JACK DENNIS MCKINNEY ; MCKINNEY JACK D ; MCKINNEY JACK DENNIS

**Agent(s):** WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; PARLEE MCLAWS LLP; CAROLINA MERCEDES DAZA MONTALVO; PORTCH DANIEL; AOKI ATSUSHI; TSURUTA JUNICHI; DINSMORE AND SHOHL LLP; BONNER ANTHONY F ET AL

**Designated states:** AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW