

SEARCH HISTORY

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| Application Number | PCT/US 18/15913 |
| Search Conducted By | LBC |
| Search Approved By | JL |

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|---|---|
| CPC/IPC Classifications Searched | IPC(8): G06F 15/16 (2018 01) CPC: H04L 29/06047, H04L 29/08072, H04L 29/06, H04L 29/0809, G06Q 30/02 |
| Date Conducted | 20 March 2018 (20.03.2018) |

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| Documentation Searched | USPC: 709/203, 709/217, 709/219 IPC: G06F 15/16 (2018.01), H04L 29/06, H04L 29/08, G06Q 30/02 CPC: H04L 29/06047, H04L 29/08072, H04L 29/06, H04L 29/0809, G06Q 30/02 |
| Search Terms Used | Display, user interface, remote server, server-side, transform, tag, label, lag, latency, application, distributed computing, mouse, mouse click, camera sensor |
| Date Conducted | 20 March 2018 (20.03.2018) |

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| Electronic Database Searched | PatBase |
| Files Searched | Full-text: AU BE BR CA CH CN DE DK EP ES FI FR GB IN JP KR SE TH TW US WO Bibliographic: (Europe) AT BA BE BG CH CS CY CZ DD DK EE ES FI GE GR HR HU IE IS IT LT LU LV MC MD MT NL NO PL PT RO RS SE SI SK SM TR UA YU (Asia) EA GC HK ID IL IN KZ MN MY PH RU SG SU TH TJ TW UZ VN (North America) CA CR CU DO GT HN MX NI PA SV TT (South America) AR BR CL CO EC PE UY (Australasia) AU NZ (Africa) AP DZ EG KE MA MW OA ZA ZM ZW |
| Date Conducted | 20-21 March 2018 (20-21.03.2018) |
| Search Logic: | |

Classification Search:

- Search 1: UC=(709/203 OR 709/217 OR 709/219) (Results 38356)
 Search 2: IPC=(G06F15/16 OR H04L29/06 OR H04L29/08 OR G06Q30/02) (Results 473224)
 Search 3: CPC=(H04L29/06047 OR H04L29/08072 OR H04L29/06 OR H04L29/0809 OR G06Q30/02) (Results 55916)
 Search 4: 1 OR 2 OR 3 (Results 495470)
 Search 5: 4 and FT=((user near interface*) AND (remote near server*)) (Results 31209)
 Search 6: 5 AND Ft=(remote near (application or app)) (Results 6301)
 Search 7: 6 and FT=(user or client) near (input*) (Results 4616)
 Search 8: 7 and FT=(tag* or label*) (Results 2535)
 Search 9: 8 and FT=(mouse near click*) (Results 618)
 Search 10: 9 AND FT=(camera*) and (sensor*) (Results 134)
 Search 11: 10 and FT=(lag* or latenc*) (Results 83)
 Search 12: 9 and FT=(transform* near input*) (Results 56)
 Search 13: 9 AND FT=transform* near (instruct* or command*) (Results 18)
 Search 14: 4 and FT=((Server-side or server near side) near process*) (Results 2983)
 Search 15: 14 and FT=(user near interface*) (Results 1777)
 Search 16: 15 and FT=(thin near client*) (Results 203)
 Search 17: 16 not 11 (Results 203)
 Search 18: 16 and FT=(user or client) near (input*) (Results 169)
 Search 19: 18 and FT=(tag* or label*) (Results 113)
 Search 20: 19 and FT=(mouse near click*) (Results 34)
 Search 21: 19 AND FT=(camera*) and (sensor*) (Results 21)
 Search 22: 20 and 21 (Results 5)
 Search 23: 4 and FT=((distribut* near comput*) or (remote near desktop*)) (Results 57419)
 Search 24: 23 AND Ft=(remote near (application or app)) (Results 6157)
 Search 25: 24 and FT=(user or client) near (input*) (Results 4171)
 Search 26: 25 and FT=(tag* or label*) (Results 2170)
 Search 27: 26 and FT=(mouse near click*) (Results 517)
 Search 28: 27 and FT=((screen* or display*) near (location*)) (Results 166)
 Search 29: 28 not 19 not 11 (Results 134)
 Search 30: 29 AND FT=(camera*) and (sensor*) (Results 32)

Search limited only by search terms and not by classifications:

- Search 31: FT=((user near interface*) AND (remote near server*)) (Results 100663)
 Search 32: 31 AND Ft=(remote near (application or app)) (Results 14245)
 Search 33: 32 and FT=(user or client) near (input*) (Results 10476)
 Search 34: 33 and FT=(tag* or label*) (Results 5516)
 Search 35: 34 and FT=(mouse near click*) (Results 1086)
 Search 36: 35 AND Ft=(camera*) and (sensor*) (Results 240)
 Search 37: 36 and FT=(lag* or latenc*) (Results 122)
 Search 38: 37 not (28 or 19 or 11) (Results 39)
 Search 39: FT=((Server-side or server near side) near process*) (Results 6334)
 Search 40: 39 and FT=(user near interface*) (Results 3686)
 Search 41: 40 and FT=(thin near client*) (Results 444)
 Search 42: 41 and FT=(user or client) near (input*) (Results 349)
 Search 43: 42 and FT=(tag* or label*) (Results 250)
 Search 44: 43 and FT=(mouse near click*) (Results 81)

Search 45: 44 not (37 or 28 or 19 or 11) (Results 47)
 Search 46: FT=((distribut* near comput*) or (remote near desktop*)) (Results 239737)
 Search 47: 47 and Ft=(remote near (application or app)) (Results 10406)
 Search 48: 47 and FT=(user or client) near (input*) (Results 6287)
 Search 49: 48 and FT=(tag* or label*) (Results 3988)
 Search 50: 49 and FT=(mouse near click*) (Results 682)
 Search 51: 50 and FT=((screen* or display*) near (location*)) (Results 320)
 Search 52: 51 and FT=(camera*) and (sensor*) (Results 114)
 Search 53: 52 not (37 or 28 or 19 or 44) (Results 49)

Forward/Backward Search:

Search 54: PN=(US20110246904 OR US20100111410 OR US20110199389 OR US20060288306) (Results 4)
 Search 55: CTF 54 or CTB 54 (Results 514)
 Search 56: 55 and FT=((user near interface*) AND (remote near server*)) (Results 221)

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| Electronic Database Searched | Google |
| Files Searched | Google Web |
| Date Conducted | 20 March 2018 (20.03.2018) |
| Search Logic: | |
| remote server display server input tags mouse click transform About 1,080,000 results server application client display user input processing application tags About 51,900,000 results server application client display user input processing application tags camera sensors About 873,000 results server side processing client display transform data display tags mouse camera sensors About 76,800 results server side processing display server input tags mouse click transform About 2,750,000 results thin client server application client display user input processing application tags About 929,000 results thin client user device server side processing display inputs tags location screen camera mouse sensor About 46,300 results distributed computing server display processing transform client input lag latency application mouse input About 138,000 results remote server display processing client device inputs process application frame buffering processed data tags About 4,480,000 results server side application processing display server data processing tags client inputs mouse clicks camera sensors display application About 176,000 results server side processing display user interface server input tags mouse click transform camera About 362,000 results remote desktop display server side mouse clicks display tags sensor inputs About 335,000 results remote desktop display server side mouse clicks display labels camera sensor inputs About | |

271,000 results

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| Electronic Database Searched | Google |
| Files Searched | Google Patents |
| Date Conducted | 20 March 2018 (20.03.2018) |
| Search Logic: | |
| <p>server application client display user input processing application tags About 4,640,000 results</p> <p>server application client display user input processing application tags camera sensors About 65,700 results</p> <p>server side processing client display transform data display tags mouse camera sensors About 7,467 results</p> <p>server side processing display server input tags mouse click transform About 2,750,000 results</p> <p>thin client server application client display user input processing application tags About 929,000 results</p> <p>thin client user device server side processing display inputs tags location screen camera mouse sensor About 46,300 results</p> <p>distributed computing server display processing transform client input lag latency application mouse input About 138,000 results</p> <p>remote server display processing client device inputs process application frame buffering processed data tags About 4,480,000 results</p> <p>server side application processing display server data processing tags client inputs mouse clicks camera sensors display application About 176,000 results</p> <p>remote desktop display server side mouse clicks display tags sensor inputs About 27,200 results</p> <p>remote desktop display server side mouse clicks display labels camera sensor inputs About 11,500 results</p> | |

SAO Supplemental Search:

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| Electronic Database Searched | PubWEST |
| Files Searched | PGPB, USPT, EPAB, JPAB |
| Date Conducted | 22 March 2018 (22.03.2018) |
| Search Logic: | |
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DATE: Thursday, March 22, 2018 [Purge Queries](#) [Printable Copy](#) [Create Case](#)

| Order By | <u>Set Name</u> Side by Side | <u>Query</u> | <u>Hit Count</u> | <u>Set Name</u> Result Set | <u>Set Name</u> Grid | <u>Set Name</u> Classification |
|---|--|--|----------------------|-----------------------------------|-----------------------------|-----------------------------------|
| <i>DB=PGPB,USPT,EPAB,JPAB; PLUR=YES; OP=ADJ</i> | | | | | | |
| Date | <u>L5</u> | L4 and ((mouse or camera or sensor) near3 input\$) | 46 | <u>L5</u> | <u>L5</u> | <u>L5</u> |
| Date | <u>L4</u> | L3 and (compar\$ near3 tag\$) | 241 | <u>L4</u> | <u>L4</u> | <u>L4</u> |
| Date | <u>L3</u> | L2 and ((transform\$ or convert\$ or conversion) near3 data\$) | 3546 | <u>L3</u> | <u>L3</u> | <u>L3</u> |
| Date | <u>L2</u> | L1 and server\$ | 11983 | <u>L2</u> | <u>L2</u> | <u>L2</u> |
| Date | <u>L1</u> | (tag\$ near5 input\$) | 21839 | <u>L1</u> | <u>L1</u> | <u>L1</u> |

END OF SEARCH HISTORY