

## SEARCH HISTORY

<b>Application Number</b>	PCT/US 18/46482
<b>Search Conducted By</b>	JOG
<b>Search Approved By</b>	PCL

<b>CPC/IPC Classifications Searched</b>	CPC - G06Q 20/0855, G06Q 20/12, G06Q 20/382 IPC(8) - G06Q 20/00 (2018.01)
<b>Date Conducted</b>	08 October 2018 (08.10.2018)

<b>Documentation Searched</b>	CPC - G06Q 20/0855, G06Q 20/12, G06Q 20/382, G06Q 20/401, G06Q 20/04, G06Q 20/085, G06Q 20/102, G06Q 20/10, G06Q 20/3674, G06Q 30/06, G06Q 20/40; USPC - 705/78, 705/77, 705/64 (keyword limited; terms below)
<b>Search Terms Used</b>	application transaction financial Bluetooth payment proximity wallet confirmation wireless receipt fund buyer seller low energy
<b>Date Conducted</b>	08 October 2018 (08.10.2018)

<b>Electronic Database Searched</b>	PatBase
<b>Files Searched</b>	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
<b>Date Conducted</b>	08 October 2018 (08.10.2018)

## Search Logic:

- 1) IC=(G06Q20/00) (27967)
- 2) CPC=(G06Q20/0855) (1191)
- 3) CPC=(G06Q20/12) (4737)
- 4) CPC=(G06Q20/382) (4150)
- 5) 1 or 2 or 3 or 4 (33970)
- 6) CPC=(G06Q20/401) (3578)
- 7) CPC=(G06Q20/04) (4489)
- 8) CPC=(G06Q20/085) (849)
- 9) CPC=(G06Q20/102) (4298)
- 10) CPC=(G06Q20/10) (7997)

- 11) CPC=(G06Q20/3674) (1771)
- 12) CPC=(G06Q30/06) (18450)
- 13) CPC=(G06Q20/40) (6524)
- 14) UC=(705/78) (372)
- 15) UC=(705/77) (344)
- 16) UC=(705/64) (1834)
- 17) 16 or 15 or 14 or 13 or 12 or 11 or 10 or 9 or 8 or 7 or 6 or 5 (61826)
- 18) 17 and (app\*) (44606)
- 19) 18 and (transact\*) (29708)
- 20) 19 and (financ\*) (17797)
- 21) 20 and (bluetooth\*) (3718)
- 22) 21 and (pay\*) (3563)
- 23) 22 and (prox\* or GPS) (2305)
- 24) 23 and (wallet\$) (1020)
- 25) 24 and (confirm\*) (804)
- 26) 25 and (wireless) (789)
- 27) 26 and (receipt\$) (616)
- 28) 27 and (fund\$) (182)
- 29) 28 and (buyer\$) (66)
- 30) 29 and (seller\$) (44)
- 31) 30 and (low near energy) (12)
- 32) (app\*) and (transact\*) and (financ\*) and (bluetooth\* or pay\* or prox\* or GPS or wallet\$ or confirm\* or wireless or receipt\$ or fund\$ or buyer\$ or seller\$) (81204)
- 33) 32 and (bluetooth\*) (18758)
- 34) 33 and (pay\*) (13342)
- 35) 34 and (prox\* or GPS) (9412)
- 36) 35 and (wallet\$) (2773)
- 37) 36 and (confirm\*) (2135)
- 38) 37 and (wireless) (2100)
- 39) 38 and (receipt\$) (1619)
- 40) 39 and (fund\$) (363)
- 41) 40 and (buyer\$) (115)
- 42) 41 and (seller\$) (65)
- 43) 42 and (low near energy) (14)

<b>Electronic Database Searched</b>	Google
<b>Files Searched</b>	Google Scholar
<b>Date Conducted</b>	08 October 2018 (08.10.2018)
<b>Search Logic:</b>	
<p>About 5,870,000 results (0.06 sec) for application                  About 2,620,000 results (0.10 sec) for application transaction                  About 2,170,000 results (0.16 sec) for application transaction financial                  About 48,900 results (0.08 sec) for application transaction financial Bluetooth                  About 49,900 results (0.12 sec) for application transaction financial Bluetooth payment                  About 25,500 results (0.15 sec) for application transaction financial Bluetooth payment proximity                  About 9,930 results (0.26 sec) for application transaction financial Bluetooth payment proximity wallet                  About 8,540 results (0.25 sec) for application transaction financial Bluetooth payment proximity wallet confirmation                  About 8,440 results (0.16 sec) for application transaction financial Bluetooth payment proximity wallet confirmation wireless                  About 5,880 results (0.12 sec) for application transaction financial Bluetooth payment proximity wallet confirmation wireless receipt                  About 4,360 results (0.85 sec) for application transaction financial Bluetooth payment proximity wallet</p>	

confirmation wireless receipt fund  
 About 2,970 results (0.11 sec) for application transaction financial Bluetooth payment proximity wallet  
 confirmation wireless receipt fund buyer  
 About 2,520 results (0.11 sec) for application transaction financial Bluetooth payment proximity wallet  
 confirmation wireless receipt fund buyer seller  
 About 2,350 results (0.14 sec) for application transaction financial Bluetooth payment proximity wallet  
 confirmation wireless receipt fund buyer seller low  
 About 2,080 results (0.20 sec) for application transaction financial Bluetooth payment proximity wallet  
 confirmation wireless receipt fund buyer seller low energy

<b>Electronic Database Searched</b>	Google
<b>Files Searched</b>	Google Patents
<b>Date Conducted</b>	08 October 2018 (08.10.2018)
<b>Search Logic:</b>	
About 2,730 results (0.42 seconds) for application transaction financial Bluetooth payment proximity wallet confirmation wireless receipt fund buyer seller low energy	

## Supplemental Search:

<b>Electronic Database Searched</b>	PatBase
<b>Files Searched</b>	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
<b>Date Conducted</b>	11 October 2018

**Search Logic:**

Search 1: financial w3 transaction and consumer w4 merchant (Results 1813)  
 Search 2: 1 and notification (Results 909)  
 Search 3: 2 and gateway (Results 466)  
 Search 4: 3 and accept\* (Results 406)  
 Search 5: 4 and Bluetooth (Results 225)  
 Search 6: 5 and sufficien\* w4 funds (Results 28)  
 Search 7: 6 and query\* (Results 23)  
 Search 8: 7 and authoriz\* (Results 23)

<b>Electronic Database Searched</b>	Google
<b>Files Searched</b>	Web, Scholar with patents
<b>Date Conducted</b>	11 October 2018

**Search Logic:**

Scholar:  
 facilitating a financial transaction between a consumer and merchant About 98,500 results (0.11 sec)  
 facilitating a financial transaction between a consumer and merchant notification gateway acceptance About 17,600 results (0.16 sec)  
 facilitating a financial transaction between a consumer and merchant notification gateway acceptance bluetooth sufficient About 3,490 results (0.13 sec)

Web:  
 facilitating a financial transaction between a consumer and merchant About 7,370,000 results (0.68 seconds)  
 facilitating a financial transaction between a consumer and merchant notification gateway acceptance About 783,000 results (0.68 seconds)  
 facilitating a financial transaction between a consumer and merchant notification gateway acceptance bluetooth sufficient About 481,000 results (0.78 seconds)