

PCT Recordation of Search History

Case/PCT Application Number: PCT/US18/45991

CLIN Number/Technical Field of PCT Application: 4

Dates during which the search was conducted: 21 September – 23 September 2018

Date of Completion of Recordation of Search History Form: 23 September 2018

Research Analyst Initials: IID

Search Approval Official Initials: HKP

Field of Search/Classification Information:

IPC(8) Classifications: H04W 4/02; G06N 5/04, 99/00; G05B 13/04 (2018.01)

CPC Classifications: H04L 67/30, 67/306; H04W 4/021, 4/023, 4/025, 4/029, 4/04;
G06N 5/047, 99/005; G05B 13/048

Databases Searched (Patent and Non-Patent Literature, Including Sub-Databases and Files Searched) and Search Terms Used:

PatSeer (US, EP, WO, JP, DE, GB, CN, FR, KR, ES, AU, IN, CA, INPADOC Data);
Google; Google Scholar; EBSCO; KEYWORDS: automatically triggering predictive
events facility user detection location identify previous activity data approve notification

Database Search String Recordation, Including Dates of Searches:

Patent Database Search Strategy/Results:

Patseer

| Search Strings | Deduped | Count | Comments | Date |
|--|---------|-------|--------------------------|-------------|
| (TACD:((predict* OR estimate* OR model*) AND (((location* OR GPS OR position* OR coordinate*) AND (profile* OR account* OR membership* OR subscri*))) WS (user* OR customer* OR individual* OR driver* OR worker*))) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 122 | Allowable Subject Matter | 22-Sep-2018 |
| (TACD:((predict* OR estimate* OR model*) AND (((location* OR GPS OR position* OR coordinate*) AND (profile* OR account* OR membership* OR subscri*))) WS (user* OR customer* OR individual* OR driver* OR worker*)) AND (notif* OR indentif*)) | SFAM(C) | 561 | | 22-Sep-2018 |
| (TACD:((predict* OR estimate* OR model*) AND (((location* OR GPS OR position* OR coordinate*) AND (profile* OR account* OR membership* OR subscri*))) WS (user* OR customer* OR individual* OR driver* OR worker*))) | SFAM(C) | 1109 | | 22-Sep-2018 |
| (TACD:((predict* OR estimate* OR model*) AND (((location* OR GPS OR position* OR coordinate*) AND (profile* OR account* OR membership* OR subscri*) AND (notif* OR indentif*)) WP (user* OR customer* OR individual* OR driver* OR worker*))) | SFAM(C) | 1 | Allowable Subject Matter | 22-Sep-2018 |
| (TACD:((predict* OR estimate* OR model*) AND (((location* OR GPS OR position* OR coordinate*) AND (profile* OR account* OR membership* OR subscri*) AND (notif* OR indentif*)) WS (user* OR customer* OR individual* OR driver* OR worker*))) | SFAM(C) | 1 | Allowable Subject Matter | 22-Sep-2018 |
| (TAC:((predict* OR estimate* OR model*) AND ((location* OR GPS OR position* OR coordinate*) WS (user* OR customer* OR individual* OR | SFAM(C) | 243 | Allowable Subject | 22-Sep- |

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|---|---------|------|--------------------------|-------------|
| driver* OR worker*)) AND (profile* OR account* OR membership* OR subscri*) AND (notif* OR indentif*)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | | | Matter | 2018 |
| (TAC:((predict* OR estimate* OR model*) AND (location* OR GPS OR position* OR coordinate*) AND (user* OR customer* OR individual* OR driver* OR worker*) AND (profile* OR account* OR membership* OR subscri*) AND (notif* OR indentif*)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 303 | Allowable Subject Matter | 22-Sep-2018 |
| (TAC:((predict* OR estimate* OR model*) AND (location* OR GPS OR position* OR coordinate*) AND (user* OR customer* OR individual* OR driver* OR worker*) AND (profile* OR account* OR membership* OR subscri*) AND (notif* OR indentif*))) | SFAM(C) | 4154 | | 22-Sep-2018 |
| (TA:((predict* OR estimate* OR model*) AND (location* OR GPS OR position* OR coordinate*) AND (user* OR customer* OR individual* OR driver* OR worker*) AND (profile* OR account* OR membership* OR subscri*)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 74 | Allowable Subject Matter | 22-Sep-2018 |
| (TA:((predict* OR estimate* OR model*) AND (location* OR GPS OR position* OR coordinate*) AND (user* OR customer* OR individual* OR driver* OR worker*) AND (profile* OR account* OR membership* OR subscri*))) | SFAM(C) | 1722 | | 22-Sep-2018 |
| (TA:((predict* OR estimate* OR model*) AND (location* OR GPS OR position* OR coordinate*) AND (user* OR customer* OR individual* OR driver* OR worker*) AND (profile* OR account* OR membership* OR subscri*) AND (notif* OR indentif*))) | SFAM(C) | 44 | Allowable Subject Matter | 22-Sep-2018 |
| (INV:(jones OR vasgaard) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 | SFAM(C) | 166 | Allowable Subject | 22-Sep- |

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| OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | Matter | 2018 | | |
| (AASN:(walmart) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 75 | Allowable Subject Matter | 22-Sep-2018 |
| (AASN:(walmart) AND INV:(jones OR vasgaard)) | SFAM(C) | 247 | Allowable Subject Matter | 22-Sep-2018 |
| (AASN:(walmart)) | SFAM(C) | 1613 | | 22-Sep-2018 |
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical pattern previous)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*) AND INV:(jones OR vasgaard)) | SFAM(C) | 31 | Allowable Subject Matter | 22-Sep-2018 |
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical pattern previous)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*) AND AASN:(walmart)) | SFAM(C) | 7 | Allowable Subject Matter | 22-Sep-2018 |
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical pattern previous)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 4240 | | 22-Sep-2018 |
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical pattern)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 722 | | 22-Sep-2018 |

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|--|---------|-------|--------------------------|-------------|
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 924 | | 22-Sep-2018 |
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical pattern))) | SFAM(C) | 8646 | | 22-Sep-2018 |
| (NLPM(TACD:(predict location identify mobile device profile notify facility historical))) | SFAM(C) | 11131 | | 22-Sep-2018 |
| (NLPM(TAC:(predict location identify mobile device profile notify)) AND AC:(H04L67/30* OR H04L67/306* OR H04W4/021 OR H04W4/023 OR H04W4/025 OR H04W4/029 OR H04W4/04 OR G06N5/047* OR G06N99/005* OR G05B13/048*)) | SFAM(C) | 67 | Allowable Subject Matter | 22-Sep-2018 |
| ((NLPM(TAC:(predict location identify mobile device profile notify)))) | SFAM(C) | 330 | Allowable Subject Matter | 22-Sep-2018 |
| ((NLPM(TA:(predict location identify mobile device profile notify)))) | SFAM(C) | 7 | Allowable Subject Matter | 22-Sep-2018 |
| (NLPM(TAC:(predict location identify mobile device profile notify)))) | SFAM(C) | 330 | Allowable Subject Matter | 22-Sep-2018 |

Non-Patent Literature Search Strategy/Results: 23 September 2018

Google:

automatically triggering predictive events facility user detection; automatically triggering predictive events facility user detection location identify; automatically triggering predictive events facility user detection previous activity data approve notification

Google Scholar:

automatically triggering predictive events facility user detection; automatically triggering predictive events facility user detection location identify; automatically triggering predictive events facility user detection previous activity data approve notification

EBSCO:

automatically triggering predictive events facility user detection; automatically triggering predictive events facility user detection location identify; automatically triggering predictive events facility user detection previous activity data approve notification