

## 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-

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-

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

(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