

## PCT Recordation of Search History

Case/PCT Application Number: PCT/US18/21170

CLIN Number/Technical Field of PCT Application: 2

Dates During Which the Search was Conducted: 20 April 2018 - 22 April 2018

Date of Completion of Recordation of Search History Form: 22 April 2018

Research Analyst Initials: OVM

Search Approval Official (SAO) Initials: HKP

### Field of Search/Classification Information:

IPC(8) Classifications: H04L 12/26, 12/24; H04N 21/442, 17/00; G06F 11/07 (2018.01)

CPC Classifications: H04L 43/08, 67/10, 41/0813, 41/0803, 43/04, 67/306; H04N 17/004, 21/442; G06F 11/0793

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

PatSeer (US, EP, WO, JP, DE, GB, CN, FR, KR, ES, AU, IN, CA, Other Countries (INPADOC), RU, AT, CH, TH, BR, PH); IEEE/IEEEXplore; Google/Google Scholar; IP.com

Keywords: media, content, player, status, selective, test, diagnostic, identify, application, configure, report, server, on-demand, metric, parameter, update, change

**Database Search String Recordation, Including Dates of Searches:****Patent Database Search Strategy/Results:**

Patseer (22 April 2018)

ID	Search String	Deduped	Records	Created Date
L38	L36 NOT L37	ALL	49	22-Apr-18
L37	TACD:(client* AND (content* OR video*) AND ((diagnos* OR test*) w3 (select* OR choos*)) AND (provider* OR deliver*) AND ((state OR status) w3 (player* OR device*)) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND ((ID OR IDs OR identif*) w3 (application* OR software)) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*) AND environment AND fail*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	480	22-Apr-18
L36	TACD:(client* AND (content* OR video*) AND ((diagnos* OR test*) w3 (select* OR choos*)) AND (provider* OR deliver*) AND ((state OR status) w3 (player* OR device*)) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND ((ID OR IDs OR identif*) w3 (application* OR software)) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*) AND environment) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	529	22-Apr-18
L35	TACD:(client* AND (content* OR video*) AND ((diagnos* OR test*) w3 (select* OR choos*)) AND (provider* OR deliver*) AND ((state OR status) w3 (*player* OR device*)) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND ((ID OR IDs OR identif*) w3 (application* OR software)) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND	ALL	540	22-Apr-18

	(report* OR notif*) AND CPC:(H04L* OR H04N* OR G06F*)			
L34	TACD:(client* AND (content* OR video*) AND ((diagnos* OR test*) w3 (select* OR choos*)) AND (provider* OR deliver*) AND (state OR status OR condition*) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND ((ID OR IDs OR identif*) w3 (application* OR software)) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*) AND *player*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	432	22-Apr-18
L33	TACD:(client* AND (content* OR video*) AND ((diagnos* OR test*) w3 (select* OR choos*)) AND (provider* OR deliver*) AND (state OR status OR condition*) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND ((ID OR IDs OR identif*) w3 (application* OR software)) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	906	22-Apr-18
L32	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND ((ID OR IDs OR identif*) w3 (application* OR software)) AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	7574	22-Apr-18
L31	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (configur* w3 (metric* OR parameter*)) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*) AND	ALL	11572	22-Apr-18

	(re_config* OR adapt*) AND server* AND (report* OR notif*) AND CPC:(H04L* OR H04N* OR G06F*)			
L30	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND ((configur* OR adapt*) w2 (application* OR software* OR program*)) AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	38734	22-Apr-18
L29	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	71436	22-Apr-18
L28	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*) AND server* AND (report* OR notif*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	46	22-Apr-18
L27	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*) AND server*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	61	22-Apr-18
L26	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*)	ALL	93451	22-Apr-18

	AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*)) AND CPC:(H04L* OR H04N* OR G06F*)			
L25	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*) AND (re_config* OR adapt*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	69	22-Apr-18
L24	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	125781	22-Apr-18
L23	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*) AND (updat* OR change*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	129	22-Apr-18
L22	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	128591	22-Apr-18
L21	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*) AND (select* OR choos*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	152	22-Apr-18
L20	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*))	ALL	133492	22-Apr-18

	AND CPC:(H04L* OR H04N* OR G06F*)			
L19	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*) AND (ID OR IDs OR identif*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	178	22-Apr-18
L18	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	136684	22-Apr-18
L17	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur* AND (metric* OR parameter*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	223	22-Apr-18
L16	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	181924	22-Apr-18
L15	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	469	22-Apr-18
L14	TA:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*) AND configur*) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	8	22-Apr-18
L13	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	195282	22-Apr-18
L12	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*) AND (state OR status OR condition*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	704	22-Apr-18
L11	TA:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR	ALL	14	22-Apr-18

	deliver*) AND (state OR status OR condition*)) AND CPC:(H04L* OR H04N* OR G06F*)			
L10	TA:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND CPC:(H04L* OR H04N* OR G06F*)	ALL	167	22-Apr-18
L9	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND CPC:(H04L43/08 OR H04L67/10 OR H04L41/0813 OR H04L41/0803 OR H04L43/04 OR H04L67/306 OR H04N17/004 OR H04N21/442 OR G06F11/0793)	ALL	15229	22-Apr-18
L8	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND CPC:(H04L43/08 OR H04L67/10 OR H04L41/0813 OR H04L41/0803 OR H04L43/04 OR H04L67/306 OR H04N17/004 OR H04N21/442 OR G06F11/0793)	ALL	145	22-Apr-18
L7	TA:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND CPC:(H04L43/08 OR H04L67/10 OR H04L41/0813 OR H04L41/0803 OR H04L43/04 OR H04L67/306 OR H04N17/004 OR H04N21/442 OR G06F11/0793)	ALL	31	22-Apr-18
L6	TACD:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND IC:(H04L12/26 OR H04L12/24 OR H04N21/442 OR H04N17/00 OR G06F11/07)	ALL	19496	22-Apr-18
L5	TAC:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND IC:(H04L12/26 OR H04L12/24 OR H04N21/442 OR H04N17/00 OR G06F11/07)	ALL	269	22-Apr-18
L4	TA:(client* AND (content* OR video*) AND (diagnos* OR test*) AND (provider* OR deliver*)) AND IC:(H04L12/26 OR H04L12/24 OR H04N21/442 OR H04N17/00 OR G06F11/07)	ALL	51	22-Apr-18
L3	TACD:(client* AND (content* OR video*)) AND ASN:(SONIFI w1 SOLUTIONS) AND INV:((ZERFAS w1 Matthew) OR (ZDEPSKI	ALL	16	22-Apr-18

	w1 Joel) OR (WOLLMANN w1 Christopher) OR (MARKO w1 Shaun) OR (ZERR w1 Derin))			
L2	ASN:(SONIFI w1 SOLUTIONS) AND INV:((ZERFAS w1 Matthew) OR (ZDEPSKI w1 Joel) OR (WOLLMANN w1 Christopher) OR (MARKO w1 Shaun) OR (ZERR w1 Derin))	ALL	23	22-Apr-18
L1	ASN:(SONIFI w1 SOLUTIONS)	ALL	24	22-Apr-18



**Non-Patent Literature (NPL) Search Strategy/Results:**

**IEEE/IEEEXplore (Search Date: 21 April 2018):**

- (diagnos\* OR test\*) AND (state OR status) AND (player\* OR device\*) AND (configur\* OR adapt\*) AND (metric\* OR parameter\*)
- (diagnos\* OR test\*) AND (state OR status) AND (player\* OR device\*) AND (configur\* OR adapt\*) AND (metric\* OR parameter\*) AND (content\* OR video\*)
- (diagnos\* OR test\*) AND (state OR status) AND (player\* OR device\*) AND (configur\* OR adapt\*) AND (metric\* OR parameter\*) AND (content\* OR video\*) AND (report\* OR notif\*)

**Google/Google Scholar (Search Date: 21 April 2018):**

- media player diagnostic selective application configuration report server
- content player status selective diagnostic premise configuration
- player status selective diagnostic configuration report

**IP.com (Search Date: 20 April 2018):**

- (diagnos\* OR test\*) AND (state OR status) AND (player\* OR device\*) AND (configur\* OR adapt\*) AND (metric\* OR parameter\*)
- (diagnos\* OR test\*) AND (state OR status) AND (player\* OR device\*) AND (configur\* OR adapt\*) AND (metric\* OR parameter\*) AND (content\* OR video\*)
- (diagnos\* OR test\*) AND (state OR status) AND (player\* OR device\*) AND (configur\* OR adapt\*) AND (metric\* OR parameter\*) AND (content\* OR video\*) AND (report\* OR notif\*)