

Search History:

Limited Classification Search

The Patent Analyst performed a limited classification search within the following US, IPC, CPC, ECLA, or F-Term classification areas:

CPC Class/Subclass(es): G06F 21/577; G06F 16/358; G06F 16/93; G06F 21/10; G06F 21/6227 (2019.02)

IPC (8) Class/Subclass(es): G06F 17/30; G06F 21/00; H04L 9/14; H04L 9/18; H04L 15/06 (2019.01)

U.S. Class/Subclass(es): 707/600; 707/736; 713/165; 713/166; 713/167

See Global Search Results.

Global Patent Literature Text Search

The Patent Analyst performed the following global text search, which was not limited by classification but may or may not have been limited by other criteria:

Questel Orbit: <https://www.orbit.com>

#	Search query	Results
1	(("DIDI RESEARCH")/NPAN) AND PD <= 2018-07-16	0
2	(MULTI-PRONG+ AND FILE+ AND ANOMAL+ AND (DETECT+ OR SENS+) AND VIOLAT+ AND (COUNT+ OR NUMBER+))/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	9
3	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+))/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	103812
4	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	55665
5	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	6858
6	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	5836
7	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+ AND ACCESS+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	5758
8	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+ AND ACCESS+ AND	2221

	PRIVILEGE+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	
9	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+ AND ACCESS+ AND (PRIVILEGE+ OR RIGHT+) AND USER+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	4863
10	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+ AND ACCESS+ AND (PRIVILEGE+ OR RIGHT+) AND USER+ AND VIOLAT+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	2076
11	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+ AND ACCESS+ AND (PRIVILEGE+ OR RIGHT+) AND USER+ AND VIOLAT+ AND CONTROL+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	2061
12	(PROTECT+ AND SENSITIV+ AND DATA+ AND FILE+ AND CLASSIF+ AND INFORMATION+ AND (NUMBER+ OR COUNT+) AND CATEGOR+ AND UNAUTHORIZ+ AND MATCH+ AND ACCESS+ AND (PRIVILEGE+ OR RIGHT+) AND USER+ AND VIOLAT+ AND CONTROL+ AND POLIC+)/TI/AB/OBJ/ADB/ICLM/TX AND PD <= 2018-07-16	1427
13	(707600)/PCLM AND PD <= 2018-07-16	222
14	(707736)/PCLM AND PD <= 2018-07-16	1189
15	(707E17005)/PCLM AND PD <= 2018-07-16	0
16	(707E17044)/PCLM AND PD <= 2018-07-16	0
17	(713165)/PCLM AND PD <= 2018-07-16	582
18	(713166)/PCLM AND PD <= 2018-07-16	229
19	(713167)/PCLM AND PD <= 2018-07-16	237
20	(713181)/PCLM AND PD <= 2018 07 16	228
21	(726022)/PCLM AND PD <= 2018-07-16	2416
22	(726023)/PCLM AND PD <= 2018-07-16	1870
23	(726025)/PCLM AND PD <= 2018-07-16	1008
24	(G06F-017/30)/IPC AND PD <= 2018-07-16	329732
25	(G06F-021/00)/IPC AND PD <= 2018-07-16	46112
26	(H04L-009/14)/IPC AND PD <= 2018-07-16	7899
27	(H04L-009/18)/IPC AND PD <= 2018-07-16	2040
28	(H04L-015/06)/IPC AND PD <= 2018-07-16	65

29	(G06F-016/358)/CPC AND PD <= 2018-07-16	326
30	(G06F-016/93)/CPC AND PD <= 2018-07-16	4443
31	(G06F-021/10)/CPC AND PD <= 2018-07-16	10374
32	(G06F-021/577)/CPC AND PD <= 2018-07-16	2976
33	(G06F-021/6227)/CPC AND PD <= 2018-07-16	2126
34	(G06F-2221/2107)/CPC AND PD <= 2018-07-16	3598
35	(G06F-2221/2113)/CPC AND PD <= 2018-07-16	1280
36	(G06F-2221/2137)/CPC AND PD <= 2018-07-16	1375
37	(G06F-2221/2141)/CPC AND PD <= 2018-07-16	4044
38	(H04L-063/045)/CPC AND PD <= 2018-07-16	718
39	(H04L-063/105)/CPC AND PD <= 2018-07-16	3232
40	(H04L-063/1433)/CPC AND PD <= 2018-07-16	2999
41	(H04L-063/20)/CPC AND PD <= 2018-07-16	7514

Google Patents: <https://patents.google.com>

#	Search query	Results
1	inassignee:"DIDI RESEARCH"	0
2	multi-pronged file anomaly detection based on violation counts	55
3	protect sensitive data, obtain file classification information, number of classified files, number of classification categories	43,700
4	protect sensitive data, obtain file classification information, number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user	7,970
5	protect sensitive data, number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user, number of unauthorized classification categories	9,080
6	number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user, number of unauthorized classification categories, determine violation of access control policy	4,070
7	classified files count, classification categories count, unauthorized classified files count not match access privilege of user, unauthorized classification categories count, determine violation of access control policy	3,540
8	count number of classified files, classification categories, unauthorized classified files not match access privilege of user, unauthorized classification categories, determine violation of access control policy	3,910
9	protect sensitive data, count number of unauthorized classified files not match access privilege of user, count number of unauthorized classification categories, exceed threshold, determine violation of access control policy	1,750

10	file classification information define number of classified files	95,400
11	file classification information count number of classified files and number of classification categories	137,000
12	count number of unauthorized classified files that do not match an access privilege of a user	18,000
13	count how many unauthorized classified files that do not match an access privilege of a user	16,100
14	"how many" unauthorized classified files that do not match an access privilege of a user	4,290
15	"how many" classification categories associated with classified files	18,400
16	unauthorized classified files that do not match user access privilege exceed threshold	6,130
17	unauthorized access classified files count exceed threshold	20,600

Computer Accessed Text Databases Searched

The Patent Analyst searched the following computer accessed text databases:

Google: <https://www.google.com/>

#	Search query	Results
1	"DIDI RESEARCH"	7,700
2	multi-pronged file anomaly detection based on violation counts	9
3	protect sensitive data, obtain file classification information, number of classified files, number of classification categories	18,100,000
4	protect sensitive data, obtain file classification information, number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user	3,080,000
5	protect sensitive data, number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user, number of unauthorized classification categories	6,270,000
6	number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user, number of unauthorized classification categories, determine violation of access control policy	5,100,000
7	classified files count, classification categories count, unauthorized classified files count not match access privilege of user, unauthorized classification categories count, determine violation of access control policy	1,950,000
8	count number of classified files, classification categories, unauthorized classified files not match access privilege of user, unauthorized classification categories, determine violation of access control policy	3,590,000
9	protect sensitive data, count number of unauthorized classified files not match access privilege of user, count number of unauthorized classification categories, exceed threshold, determine violation of access control policy	1,370,000
10	file classification information define number of classified files	47,800,000
11	file classification information count number of classified files and number of classification categories	65,100,000

12	count number of unauthorized classified files that do not match an access privilege of a user	12,300,000
13	count how many unauthorized classified files that do not match an access privilege of a user	7,090,000
14	"how many" unauthorized classified files that do not match an access privilege of a user	1,070,000
15	"how many" classification categories associated with classified files	12,000,000
16	unauthorized classified files that do not match user access privilege exceed threshold	1,730,000
17	unauthorized access classified files count exceed threshold	11,900,000

Google Scholar: <https://scholar.google.com/>

#	Search query	Results
1	"DIDI RESEARCH"	55
2	multi-pronged file anomaly detection based on violation counts	204
3	protect sensitive data, obtain file classification information, number of classified files, number of classification categories	45,100
4	protect sensitive data, obtain file classification information, number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user	17,100
5	protect sensitive data, number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user, number of unauthorized classification categories	19,000
6	number of classified files, number of classification categories, number of unauthorized classified files not match access privilege of user, number of unauthorized classification categories, determine violation of access control policy	17,900
7	classified files count, classification categories count, unauthorized classified files count not match access privilege of user, unauthorized classification categories count, determine violation of access control policy	16,600
8	count number of classified files, classification categories, unauthorized classified files not match access privilege of user, unauthorized classification categories, determine violation of access control policy	17,300
9	protect sensitive data, count number of unauthorized classified files not match access privilege of user, count number of unauthorized classification categories, exceed threshold, determine violation of access control policy	11,000
10	file classification information define number of classified files	236,000
11	file classification information count number of classified files and number of classification categories	106,000
12	count number of unauthorized classified files that do not match an access privilege of a user	20,700
13	count how many unauthorized classified files that do not match an access privilege of a user	18,300
14	"how many" unauthorized classified files that do not match an access privilege of a user	16,700
15	"how many" classification categories associated with classified files	84,700

16	unauthorized classified files that do not match user access privilege exceed threshold	13,900
17	unauthorized access classified files count exceed threshold	20,800

Date search was completed: 12 March 2019

EH/MP