

## 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): G05F 1/66; G06F 1/32; H01R 13/02; H01R 24/86; H01R 25/14; H01R 25/147; H01R 25/16 (2018.08)

IPC (8) Class/Subclass(es): G05F 1/66; H01R 13/02; H01R 24/86; H01R 25/14; H01R 25/16 (2018.01)

U.S. Class/Subclass(es): 323/318; 307/19; 361/810; 713/340

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	( (IDEAL 2D INDUSTRIES)/PA/OPA )	600
2	( (SHULTZ 2D EDWARD)/IN/OIN/INH/INV )	19
3	( (MELINYSHYN 2D JOHN)/IN/OIN/INH/INV )	3
4	( (MERCURIO 2D SAVERIO)/IN/OIN/INH/INV )	1
5	2 OR 3 OR 4	20
6	1 AND 5	1
7	1 OR 5	619
8	7 AND (POWER 4D DISTRIBUT+)/TX	6
9	(US20120151240)/PN	1
10	(US20160190735)/PN	1
11	(US20120151240)/PN	1
12	(361810)/PCL	558
13	(307115)/PCL	703
14	(307115)/PCL	703
15	(713340)/PCL	2227
16	(307019)/PCL	189
17	(323318)/PCL	244

18	(455572)/PCL	1215
19	(455574)/PCL	2612
20	..SIMILARITY SS 11 RANKED 1	189254
21	..CITB NOSOURCE SS 11 1 RANKED	76
22	12 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19	7339
23	22 AND (POWER 2D BASE)/TX	474
24	22 AND (POWER 2D REGULAT+)/TX	876
25	(G05F-001/10)/IPC	20201
26	(G05F-001/66)/IPC	3554
27	(G06F-001/26)/IPC	34103
28	(G06F-001/32)/IPC	29640
29	(H01R-013/02)/IPC	18617
30	(H01R-024/86)/IPC	239
31	(H01R-025/14)/IPC	3729
32	(H01R-025/16)/IPC	2527
33	(H02J-007/00)/IPC	137528
34	(G05F-001/10)/CPC	622
35	(G05F-001/66)/CPC	1188
36	(G06F-001/26)/CPC	10420
37	(G06F-001/32)/CPC	20532
38	(H01R-013/02)/CPC	2141
39	(H01R-024/86)/CPC	308
40	(H01R-025/14)/CPC	2444
41	(H01R-025/16)/CPC	1525
42	(H02J-007/00)/CPC	42492
43	(H01R-025/147)/CPC	322
44	25 OR 26 OR 27 OR 28 OR 29 OR 30 OR 31 OR 32 OR 33 OR 34 OR 35 OR 36 OR 37 OR 38 OR 39 OR 40 OR 41 OR 42 OR 43	246864
45	44 AND (POWER D REGULAT+)/TX	8074
46	44 AND (POWER D REGULAT+)/TI/AB	990
47	44 AND (POWER D REGULAT+)/TI/AB AND (BASE 2D POWER+)/TX	31
48	(US20170012429)/PN	1

49	((MONITOR+ OR CONTROL+) AND (BUS OR RAIL+ OR LINE) AND ((BASE OR AVERAGE OR MINIMUM OR LIMIT) 2D POWER))/TX	297276
50	((+DISTRIBUT+ OR ALLOCAT+ OR ALLOT+) AND (MONITOR+ OR CONTROL+) AND (BUS OR RAIL+ OR LINE) AND ((BASE OR AVERAGE OR MINIMUM OR LIMIT) 2D POWER))/TX	162361
51	44 AND ((+DISTRIBUT+ OR ALLOCAT+ OR ALLOT+) AND (MONITOR+ OR CONTROL+) AND (BUS OR RAIL+ OR LINE) AND ((BASE OR AVERAGE OR MINIMUM OR LIMIT) 2D POWER))/TX	8841
52	22 AND ((+DISTRIBUT+ OR ALLOCAT+ OR ALLOT+) AND (MONITOR+ OR CONTROL+) AND (BUS OR RAIL+ OR LINE) AND ((BASE OR AVERAGE OR MINIMUM OR LIMIT) 2D POWER))/TX	815

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

#	Search query	Results
1	LOW VOLTAGE POWER DISTRIBUTION SYSTEM	100+
2	power distribution new module base power setting available power	100+
3	dc bus power distribution low voltage power settings exceed available power	100+
4	dc bus connector modules conducting elements ferromagnetic	100+
5	compare power setting to available power fraction of power	100+
6	dc power redistribution base power setting priorities	100+

**Computer Accessed Text Databases Searched**

The Patent Analyst searched the following computer accessed text databases:

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

#	Search query	Results
1	LOW VOLTAGE POWER DISTRIBUTION SYSTEM	100+
2	ideal industries LOW VOLTAGE POWER DISTRIBUTION SYSTEM	100+
3	power distribution new module base power setting available power	100+
4	dc bus power distribution low voltage power settings exceed available power	100+
5	compare power setting to available power fraction of power	100+
6	dc power redistribution base power setting priorities	100+
7	dc bus connector modules conducting elements ferromagnetic	100+

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

#	Search query	Results
1	LOW VOLTAGE POWER DISTRIBUTION SYSTEM	100+
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4	dc bus connector modules conducting elements ferromagnetic	100+
5	compare power setting to available power fraction of power	100+
6	dc power redistribution base power setting priorities	100+

Date search was completed: 28 October 2018

SV/CC