

PCT Application No.: PCT/US2015/054669
Date of Search: 20 November 2015

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:

U.S. Class/Subclass(es): 600/527, 529, 534; 702/56

IPC (8) Class/Subclass(es): A61B 5/00, 5/02, 5/0205, 5/08; G01F 17/00, 23/00; G01S 13/00, 13/02, 13/50 (2015.01)

CPC Class/Subclass(es): A61B 5/00, 5/02, 5/0205, 5/08; G01F 17/00, 23/00; G01S 13/00, 13/02, 13/50 (2015.10)

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

Step	No. of Hits	Text String
32	4	29 AND ((VITAL 2D SIGN+) AND RADAR AND (SECOND 2D VIBRATION+))/TI/AB/IW/CLMS/TX
31	210	29 AND ((BREATH+) AND RADAR AND VIBRATION+))/TI/AB/IW/CLMS/TX
30	86	29 AND ((VITAL 2D SIGN+) AND RADAR AND VIBRATION+))/TI/AB/IW/CLMS/TX
29	114104	7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20 OR 21 OR 22 OR 23 OR 24 OR 25 OR 26 OR 27 OR 28
28	758	(702056)/PCL AND PD<=2014-10-08
27	519	(600534)/PCL AND PD<=2014-10-08
26	1343	(600529)/PCL AND PD<=2014-10-08
25	68	(600527)/PCL AND PD<=2014-10-08
24	266	(G01S-013/50)/CPC AND PD<=2014-10-08
23	1663	(G01S-013/50)/IPC AND PD<=2014-10-08
22	2249	(G01S-013/02)/IPC AND PD<=2014-10-08
21	886	(G01S-013/02)/CPC AND PD<=2014-10-08
20	759	(G01S-013/00)/CPC AND PD<=2014-10-08
19	5701	(G01S-013/00)/IPC AND PD<=2014-10-08
18	2917	(G01F-017/00)/IPC AND PD<=2014-10-08
17	677	(G01F-017/00)/CPC AND PD<=2014-10-08
16	3191	(G01F-023/00)/CPC AND PD<=2014-10-08

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15	12153	(G01F-023/00)/IPC AND PD<=2014-10-08
14	7836	(A61B-005/08)/IPC AND PD<=2014-10-08
13	3132	(A61B-005/08)/CPC AND PD<=2014-10-08
12	19249	(A61B-005/00)/CPC AND PD<=2014-10-08
11	61868	(A61B-005/00)/IPC AND PD<=2014-10-08
10	17031	(A61B-005/02)/IPC AND PD<=2014-10-08
9	2457	(A61B-005/02)/CPC AND PD<=2014-10-08
8	2965	(A61B-005/0205)/CPC AND PD<=2014-10-08
7	4850	(A61B-005/0205)/IPC AND PD<=2014-10-08
6	6	4 AND 5
5	219	((VITAL 2D SIGN+) AND RADAR AND VIBRATION+)/TI/AB/IW/CLMS/TX
4	22	(1 OR 2) AND 3
3	5744	((UNIVERSITY 2D FLORIDA)/PA/OPA/PAH/OWR/REAS)
2	6	((WEI 2D CHANGYU)/IN/OIN/INH/INV)
1	30	((LIN 2D JENSHAN)/IN/OIN/INH/INV)

GOOGLE PATENT http://www.google.com/advanced_patent_search

No. of Hits	Text String
6	vital signs radar vibrations "vibration rate"
100+	vital signs radar
0	ininventor:"Changyu Wei"
15	ininventor:"Changzhi Li"
74	ininventor:"Jenshan Lin"

Computer Accessed Text Databases Searched

The Patent Analyst searched the following computer accessed text databases:

GOOGLE: <http://www.google.com>

No. of Hits	Text String
100+	Respiratory heartrate vibration radar
100+	Vital signs vibration detection
100+	University florida METHOD AND APPARATUS FOR NON-CONTACT FAST VITAL SIGN ACQUISITION BASED ON RADAR SIGNAL
100+	METHOD AND APPARATUS FOR NON-CONTACT FAST VITAL SIGN ACQUISITION BASED ON RADAR SIGNAL

PROQUEST: <http://www.proquest.com>

No. of Hits	Text String
100+	Vibration rate "first vibration" reflection
100+	Vital signs radar vibrations
0	au(WEI 2d Changyu)
0	Au(LIN 2d Jenshan)

Date search was completed: 20 November 2015

SV / ER