

## 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): A61M 25/0127; A61M 25/0158; A61M 25/0194; A61M 2025/0197 (2020.01)

IPC(8) Class/Subclass(es): A61M 25/01; A61M 25/088; A61M 25/09 (2020.01)

U.S. Class/Subclass(es): 600/464; 600/585; 606/108; 606/159

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	(CATHETER DIAMETER MILLIMETERS)/TI/AB/CLMS/DESC/ODES/KEYW/TX	0
2	(CATHETER 5D MILLIMETERS)/TI/AB/CLMS/DESC/ODES/KEYW/TX	640
3	(CATHETER 5D OUTER DIAMETER 5D MILLIMETERS)/TI/AB/CLMS/DESC/ODES/KEYW/TX	67
4	(CATHETER 5D 6 MM)/TI/AB/CLMS/DESC/ODES/KEYW/TX	780
5	(US6186986)/XPN	1
6	*MEM "home/QPTLD642/homequicklist" /XPN /APID	0
7	(DILATOR AND TAPERED AND GUIDEWIRE)/TI/AB/KEYW/CLMS	2270
8	CTO AND (CROSSING WIRE) AND MAGNET AND OCCLUSION	0
9	CTO AND (CROSSING WIRE) AND MAGNET	0
10	OCCLUSION AND (CROSSING WIRE) AND MAGNET	0
11	((CTO OR OCCLUSION) AND (CROSSING WIRE))/TI/AB/CLMS/DESC/ODES/KEYW/TX	162
12	((CTO OR OCCLUSION) AND (CROSSING WIRE) AND MAGNET)/TI/AB/CLMS/DESC/ODES/KEYW/TX	10
13	(CTO OR CHRONIC TOTAL OCCLUSION) AND GUIDEWIRE AND CATHETER AND MAGNET	5
14	((CTO OR CHRONIC TOTAL OCCLUSION) AND GUIDEWIRE AND CATHETER AND MAGNET)/TI/AB/CLMS/DESC/ODES/KEYW/TX	76
15	(US7374567)/XPN	1
16	(US7374567)/CT	30

17	(A61B-2017/22094)/CPC	371
18	(MAGNET AND ((CROSSING WIRE) OR (GUIDE WIRE) OR (GUIDEWIRE)))/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61B-2017/22094)/CPC	17
19	(MAGNET AND CATHETER AND WIRE)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61B-2017/22094)/CPC	18
20	(MAGNET AND CATHETER AND WIRE AND (CTO OR OCCLUSION))/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-025/01 OR A61M-025/09 OR A61M-025/088)/IPC	222
21	(MAGNET AND CATHETER AND WIRE AND (CTO OR OCCLUSION))/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-025/01 OR A61M-025/09 OR A61M-025/088)/IPC	222
22	(US20150019636)/XPN	1
23	(US20150196360)/XPN	1
24	(MAGNET AND CATHETER AND WIRE AND (CTO OR OCCLUSION))/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158)/CPC	72
25	(MAGNET AND CATHETER AND WIRE AND (CTO OR OCCLUSION))/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (600464 OR 606159 OR 606108 OR 600585)/PCLM	42
26	(MAGNET AND CATHETER AND (CROSSING WIRE) AND (CTO OR OCCLUSION))/TI/AB/CLMS/DESC/ODES/KEYW/TX	8
27	(MAGNETIC AND CATHETER AND (CROSSING WIRE) AND (CTO OR OCCLUSION))/TI/AB/CLMS/DESC/ODES/KEYW/TX	35
28	(MAGNET 5D CRYSTAL)/TI/AB/KEYW/CLMS AND (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158)/CPC	0
29	(MAGNET 5D CRYSTAL)/TI/AB/KEYW/CLMS/DESC/ODES/TX AND (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158)/CPC	1
30	(MAGNET 5D CRYSTAL)/TI/AB/KEYW/CLMS/DESC/ODES/TX AND ( (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158 OR A61M2017/22094)/CPC OR (A61M-025/01 OR A61M-025/09 OR A61M-025/088)/IPC )	4
31	(MAGNET 10D CRYSTAL)/TI/AB/KEYW/CLMS/DESC/ODES/TX AND ( (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158 OR A61M2017/22094)/CPC OR (A61M-025/01 OR A61M-025/09 OR A61M-025/088)/IPC )	4
32	(MAGNET 10D NEODYMIUM)/TI/AB/KEYW/CLMS/DESC/ODES/TX AND ( (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158 OR A61M2017/22094)/CPC OR (A61M-025/01 OR A61M-025/09 OR A61M-025/088)/IPC )	112
33	(GUIDEWIRE AND STIFFNESS)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND	206

	(A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158 OR A61M-2017/22094)/CPC	
34	(GUIDEWIRE 5D STIFFNESS 5D DISTAL)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-025/0127 OR A61M-025/0194 OR A61M-025/0197 OR A61M-025/0158 OR A61M-2017/22094)/CPC	4
35	(GUIDEWIRE 5D STIFFNESS)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-2017/22094)/CPC	0
36	(DISTAL 10D STIFF)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-2017/22094)/CPC	0
37	(STIFF OR STIFFNESS)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-2017/22094)/CPC	0
38	(STIFF OR STIFFNESS)/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-025/0194 OR A61M-2025/0197)/CPC	103
39	(DISTAL 5D (STIFF OR STIFFNESS))/TI/AB/CLMS/DESC/ODES/KEYW/TX AND (A61M-025/0194 OR A61M-2025/0197)/CPC	25
40	(US20090024089)/XPN	1
41	(CATHETER AND (SINGLE CRYSTAL MAGNET))/TI/AB/CLMS/DESC/ODES/KEYW/TX	0
42	(CATHETER AND (CRYSTAL MAGNET))/TI/AB/CLMS/DESC/ODES/KEYW/TX	1
43	(CATHETER AND (SINGLE CRYSTAL))/TI/AB/CLMS/DESC/ODES/KEYW/TX	3321
44	(CATHETER AND (SINGLE CRYSTAL))/TI/AB/CLMS	178

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

#	Search query	Results
1	(cto or chronic total occlusion) and (crossing wire) and catheter and magnet	670

### **Computer Accessed Text Databases Searched**

The Patent Analyst searched the following computer accessed text databases:

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

#	Search query	Results
1	(cto or chronic total occlusion) and (crossing wire) and catheter and magnet	909

Date search was completed: 20 January 2020

KJ/YLK