

[별첨1] 4차산업혁명 관련 특허분류

4차산업혁명 관련 7대 기술분야 특허분류 체계(특허청, 2018.)

* 출처 : http://www.kipo.go.kr/kpo/user.tdf?a=user.html.HtmlApp&c=33001&catmenu=m06_07_06

인공지능(AI)		빅데이터		
CPC 코드	IPC 분류	CPC 코드	IPC 분류	
G06Y10/00	G06N3/08~3/088	G06W1/00		
	G06N5/04~5/048			
	G06N99/005			
G06Y10/50	G06N99/005	G06W1/10	G06F17/20	
	G06N3/08~3/088		G06F17/30	
	G06F19/24		G06F19/00	
G06Y10/52	G06N99/005		G06Q	
	G06N3/08~3/088		A61B5/00	
G06Y10/522	G06N99/005		A61B6/50	
	G06N3/08~3/088		A61B6/52	
G06Y10/5223	G06N99/005		A61B8/52	
	G06N3/08~3/088		H04N1/00	
G06Y10/5227	G06N99/005		G06W1/11	G06Q50/01
	G06N3/08~3/088	G06Q50/10		
G06Y10/524	G06K9/6267~9/6287	G06Q30/02		
	G06N99/005	G06F17/30		
G06Y10/5241	G06K9/6276	H04N21/45		
	G06N99/005	G06K9/00		
G06Y10/5243	G06K9/6277~9/6288	G06W1/12		G06F19/30
	G06N99/005			G06Q50/24
G06Y10/525	G06K9/6286			A61B5/00
	G06N99/005			G16H
G06Y10/527	G06K9/6269		G06W1/13	G06Q50/26
	G06N99/005			G06Q50/30
G06Y10/54	G06N99/005			G08B21/00
	G06N3/08~3/088		G01S5/0278	
G06Y10/543	G06N99/005		G06W1/14	G06Q50/04
	G06N3/08~3/088			G06Q10/08
G06Y10/547	G06N99/005	G06W1/15	G06Q20/00	
	G06N3/08~3/088		G06Q30/0201	
G06Y10/56	G06N3/08~3/088	G06W1/16	G06Q40/00	
	G06N99/005		G06Q50/18	
G06Y10/565	G06N3/08~3/088	G06W1/17	G06Q50/20	
	G06N99/005		G06F11/00	
G06Y10/58	G06N3/08~3/088	G06W1/18	H04Q9/00	
	G06N99/005		G08B21/0205	
G06Y10/583	G06N3/08~3/088		G06W1/30	H04N21/00
	G06N99/005			H04M1/00
G06Y10/585	G06N3/08~3/088	G06W1/31		G06K7/00
	G06N99/005		H04M1/725	
G06Y10/588	G06N3/02	G06W1/32	H04N5/232	
	G06N3/08~3/088		G06F17/30047	
G06Y10/5882	G06N3/02	G06W1/33	H04N21/4135	
	G06N3/08~3/088		G01S	
G06Y10/5884	G06N3/02	G06W1/34	G06Q20/20	
	G06N3/08~3/088		G06K7/1413	
G06Y10/5886	G06N3/02	G06W1/34	G06F3/01	
	G06N3/08~3/088		G06F17/30	
	G06N3/02		G06F17/30002	

	G06N3/08~3/088		G06F3/048	
G06Y10/5888	G06N3/02	G06W1/35		
	G06N3/08~3/088	G06W1/50		
G06Y20/00	G06F17/20~17/289	G06W1/51		
	G10L15/*	G06W1/53		
G06Y20/20	G06F17/28~17/289	G06W3/00	G06F17/00	
G06Y20/23			G06F19/00	
G06Y20/26			G06F9/00	
G06Y20/29			G06Q10/00	
G06Y20/32		G06W3/10	G06F17/27	
G06Y20/38			G06F17/30	
G06Y20/40	G10L15/22		G06F17/3061	
	G06F17/27~17/2795		G06F17/30861	
G06Y20/45	G10L15/22		G06F17/30386	
	G06F17/27~17/2795		G06F17/30268	
G06Y20/50			G06W3/30	G06F17/27
G06Y20/55				G06F17/28
G06Y20/60		G06F17/21		
G06Y20/88		G06F17/30734		
G06Y20/89		G06F17/2264		
G06Y20/65	G10L15/22	G06W3/50	G06F17/30	
	G06F17/27~17/2795		G06Q10/04	
G06Y20/70	G10L15/22		G06Q10/063	
	G06F17/27~17/2795		G06F9/00	
G06Y20/73	G10L15/22		G06F19/28	
	G06F17/27~17/2795			
G06Y20/77	G10L15/22		G06W3/71	
	G06F17/27~17/2795		G06W3/73	
G06Y20/80	G10L15/00~15/34	G06W5/00	G06F17/30	
G06Y20/82	G10L17/00~17/26		G06F19/28	
	G10L15/07~15/075		G06F17/30076	
G06Y20/825	G10L15/07~15/075	G06W5/10	G06F17/30289	
G06Y20/83	G10L15/07~15/075		G06F17/30318	
G06Y20/84	G10L15/07~15/075		G06F17/30312	
G06Y20/85	G10L15/02~15/063		G06F17/30153	
G06Y20/855	G10L15/02~15/063	G06W5/11		
G06Y20/86	G10L15/02~15/063	G06W5/13		
G06Y20/865	G10L15/02~15/063		G06F21/60	
G06Y20/87	G10L15/02~15/063		G06F21/6245	
G06Y20/90	G10L13/00~13/10	G06W5/30	G06Q50/265	
G06Y20/95	G06F21/32			
G06Y30/00	G06K9/00221~9/00389	G06W5/31		
G06Y30/20	G06K9/00221	G06W5/33		
	G06K9/00362~9/00389		G06W5/35	
G06Y30/40	G06K9/00221		G06W5/50	G06F21/50
	G06K9/00362~9/00389	G06F21/31		
	G06T7/50	G06W5/51	H04L9/32	
		G06W5/53	H04L43/16	
G06Y30/60				
G06Y30/80	G06K9/00	G06W5/70	G06F17/30	
G06Y40/00			G06F17/30318	
G06Y40/30			G06F17/30067	
G06Y40/70			G06F17/30194	
G06Y50/00		G06W7/00	G06Q	
G06Y50/10	G06Q40/00~40/128		G01V	
G06Y50/20	G16H*	G06W7/10	G06Q50/22	
	G06Q50/24		G06F19/18	

G06Y50/25	G16H*		G06F19/00
G06Y50/30	G06Q50/04		A61B5/00
G06Y50/40	G06Q50/30, G06Q50/30A0		A61B6/50
G06Y50/43	G08G*		A61B6/52
	G01C21/*		A61B8/52
G06Y50/47	B60W30/14	G06W7/70	
G06Y50/50	A63F*	G06W7/71	
	A63H*	G06W7/72	
G06Y50/53	A63F*	G06W7/73	
G06Y50/57	A63H*	G06W7/74	
G06Y50/60	G06Q50/30A0	G06W7/75	
G06Y50/63	G06Q50/30A0	G06W7/76	
G06Y50/65	G06Q50/30A0	G06W7/77	
G06Y50/68	G06Q50/30A0	G06W7/78	
G06Y50/70	G06Q50/26	G06W7/79	
G06Y50/80	G06Q50/20~50/2057	G06W7/80	
G06Y50/90	G06Q40/12~40/128	G06W7/81	
G06Y50/93	G06Q50/18~50/188	G06W7/82	
G06Y50/97	G06Q40/12~40/128	G06W7/83	
		G06W7/84	
		G06W7/85	
		G06W7/86	
		G06W7/87	

사물인터넷		3D 프린팅	
CPC 코드	IPC 분류	CPC 코드	IPC 분류
G16Y10/00	G06Q50/10	B33Y10/00	B29C64/10
	G06Q50/00		B28B1/001
	G06Q40/00		B22F3/00
	G06Q30/00		B23K26/00
G16Y10/05	G06Q50/00		C04B35/622
G16Y10/052	G06Q50/02		C03B19/00
G16Y10/053	G06Q50/02	B33Y10/10	B29C64/118
G16Y10/054		B33Y10/20	B29C64/124
G16Y10/055	G06Q50/02		G03F7/70416
G16Y10/056	G06Q50/04	B33Y10/30	B29C64/112
G16Y10/058	G06Q50/08	B33Y10/40	B29C64/165
G16Y10/10	G06Q50/06	B33Y10/50	B29C64/153
G16Y10/102	G06Q50/06		B22F3/1055
G16Y10/104	G06Q50/06		C04B35/64
G16Y10/106	G06Q50/06	B33Y10/60	B23K26/00
G16Y10/108	G06Q50/06	B33Y10/70	B29C64/147
G16Y10/1081	G06Q50/06	B33Y30/00	B29C64/20
G16Y10/1083	G06Q50/06		B23K26/00
G16Y10/1084	G06Q50/06		B22F3/1055
	G06Q50/00	B33Y30/10	B29C64/227
G16Y10/1085	G06Q50/06	B33Y30/20	B29C64/245
G16Y10/1086	G06Q50/06	B33Y30/30	B29C64/264
	G06Q50/00	B33Y30/40	B29C64/205
G16Y10/1088	G06Q50/06		B05B1/00
	G06Q50/00	B33Y30/50	B29C64/205
G16Y10/1089	G06Q50/06	B33Y30/60	B29C64/295
	G06Q50/00	B33Y30/70	
G16Y10/15	G06Q50/30	B33Y40/00	B29C64/30

G16Y10/20	G06Q50/28		B22F3/1055
	G06Q10/08	B33Y40/10	B29C64/30
G16Y10/202		B33Y40/20	B29C64/30
G16Y10/204		B33Y40/30	B29C64/35
G16Y10/206		B33Y40/40	B29C64/30
G16Y10/208		B33Y40/50	B29C64/30
G16Y10/25	G06Q50/10	B33Y40/60	
	H04N21/00	B33Y40/70	
G16Y10/30	G06Q40/02	B33Y50/00	B29C64/386
G16Y10/35	G06Q40/00		B22F3/1055
	G06Q40/04		G05B19/4099
	G06Q40/06		G06T1~19/00
	G06Q40/08		B29C64/386
G16Y10/40	G06Q40/10	B33Y50/005	G06T5/00
	G06Q50/10		G06T7/00
G16Y10/45	G01W1/00	B33Y50/01	B29C64/386
	G06Q50/22		G06F17/50
	G16H	B33Y50/015	B29C64/386
A61B5/0002	G06T15/00		
G16Y10/50	G06Q30/00	B33Y50/02	G06T17/00
	G06Q20/00		B29C64/393
G16Y10/60	G06Q50/10	B33Y70/00	G06T19/00
	H04L12/00		B29C64/307
G16Y10/70	G06Q50/10	B33Y70/10	B29K
	G06Q50/34		
	A63F13/00	B33Y70/12	
G16Y10/80	G06Q50/14	B33Y70/121	B22F
G16Y10/90	G06Q50/20		C22C
	G09B	B33Y70/123	C04B
G16Y20/00		B33Y70/125	C03C
G16Y20/02	G01C	B33Y70/14	C08
	G01H		B29K
	G01J	B33Y70/141	C08F
	G01K		C08G
	G01S		C08L
	G01V	B33Y70/16	B29K
	G01W	B33Y70/30	B29K
G06Q50/10D0	B33Y70/312	B29K	
G16Y20/04	G01R	B33Y70/314	B29K
	G06Q50/10D0	B33Y70/316	B29K
G16Y20/06	G01F	B33Y70/318	B29K
	G06Q50/06	B33Y70/320	B29K
G16Y20/08	G16H	B33Y80/00	B29D
	G06Q50/22		B29L
G16Y30/00	G06F17/30	B33Y80/10	A61C13/0019
	G06N		A61F
	G06F15/		B29L
G16Y30/02		B33Y80/20	B29L
G16Y30/03			E04
G16Y30/05		B33Y80/30	B29L
G16Y30/07		B33Y80/31	B29L
G16Y30/08	G06Q50/10A0	B33Y80/33	B29L
	G06T19/00	B33Y80/35	B29L
G16Y40/00		B33Y80/40	B29L
G16Y40/02		B33Y80/50	B29D11/00
G16Y40/04		B33Y80/60	A23P

G16Y40/06		B33Y80/70	B29L
G16Y40/08	H04L12/28~2898	B33Y80/80	B29L
	H04W4/001	B33Y80/90	B29L
	H04W84/12	B33Y99/00	
	H04W84/18~22		
G16Y50/00			
G16Y50/01	G06Q50/10D0		
	G08B		
G16Y50/03			
G16Y50/04	G05B		
	H04Q9/00		
	G06Q10/06		
G16Y50/05	G06Q10/06		
G16Y50/06	G06Q10/20		
	G06Q50/10D0		
	G06Q10/06		
G16Y50/08	G08B		
G16Y50/09	H04W4/02~046		
	G01S19/00		
	G01C21/00		
G16Y70/00	H04W12/00		
	H04L9/00		
	H04L63/00		
	G06F21/00		
G16Y70/02			
G16Y70/04			
G16Y70/06			
G16Y70/08			

자율주행차		클라우드	
CPC 코드	IPC 분류	CPC 코드	IPC 분류
B60X10/00	B60W40/00	G06V10/00	G06F15/16
B60X10/10	B60W40/02~09	G06V10/20	G06F15/16
	B60R21/013	G06V10/40	
B60X10/12	G01S13/931	G06V10/60	
B60X10/14	G01S17/936	G06V10/80	G06F15/16
B60X10/16	B60R1/12		H04L29/08
	G03B17/00	G06V20/00	G06F15/16
B60X10/20	H04W4/005	G06V20/30	G06F15/16
	H04W4/006		G06F17/30067
B60X10/22	H04W12/00~12		
	G06F21/30	G06V20/60	
B60X10/24		G06V30/00	G06F15/16
B60X10/30	B60W40/02~09	G06V30/20	
B60X10/36	B60W40/02~76	G06V30/40	
	B60R25/1012	G06V30/60	
B60X20/00	B60W40/10	G06V30/80	
B60X20/10	G05D1/0278	G06V40/00	G06F3/*
	G01S19/42		G06F9/*
B60X20/20	G01C21/26~3697		
	G09B29/00	G06V40/30	G06F9/*
B60X20/30	B60W40/10	G06V40/60	G06F9/06
B60X20/40			H04L67/02
B60X30/00	G05D1/021~0297		G06F9/46

B60X30/10	G05D1/021~0297	G06V40/90	G06F15/00
	B60W30/18009		H04L67/02
B60X30/20	G05D1/0221	G06V50/00	G06F21/50
B60X30/22			H04L9/08
B60X30/30	B60W50/08		H04L9/32
	B60W50/10		H04L63/00
B60X30/32	B60W50/082	G06V50/30	G06F21/50
	B60W30/182		G06F21/60
B60X30/34	B60W50/082	G06V50/60	H04L29/06557
	B60W30/182		G06F21/30
B60X30/40	B60W30/06~17	G06V50/60	H04L9/08
B60X30/42			H04L9/32
B60X30/44		G06V50/90	G06F21/30
B60X30/50	B60W30/08~095		G06F21/60
B60X40/00	B60W50/04	G06V60/00	G06Q20/*
	B60W50/06		G06Q30/06
B60X40/10	B60W40/12	G06V60/30	G06Q20/*
	B60W30/18172		G06Q30/06
B60X40/20	B60W30/143	G06V60/60	
	B60W40/105	G06V60/90	
B60X40/30	G05D1/0061	G06V70/00	G06F15/16
B60X40/40	B60W30/165	G06V70/10	
	G08G1/22	G06V70/20	G06F15/16
B60X40/50	B60W50/08~16	G06V70/30	
B60X40/52	B60W50/10	G06V70/40	G06F15/16
	B60R16/0373	G06V70/50	
B60X40/54	B60W50/08	G06V70/60	G06F15/16
	B60R16/0315		G06Q50/10
B60X40/56	H04N13/04	G06V70/70	
	G06T19/006	G06V70/80	
B60X40/58	B60W50/14		
	B60W40/02		

지능형로봇			
CPC 코드	IPC 분류		
B25Y10/00	B25J11/00~0095		
B25Y10/10	B25J11/003~004		
	B25J9/0003		
	A47L5/00~11/4097		
B25Y10/20	B25J11/002~0025		
	B25J11/0045		
	B25J11/009~0095		
	A61B34/00		
B25Y10/30	B25J11/005~0075		
B25Y20/00	B25J5/00~9/00		
B25Y20/10	B25J9/00		
B25Y20/20	B25J9/0006		
B25Y20/30	B25J5/00~04		
B25Y20/40	B64C39/00~12		
B25Y30/00	B25J19/00		
B25Y30/10	B25J19/02~04		
B25Y30/20	B25J19/00		
B25Y30/30			
B25Y30/40			

B25Y40/00	B25J9/00		
B25Y40/10	B25J9/00		
B25Y40/12	B25J9/00		
B25Y40/14			
B25Y40/16			
B25Y40/20	G01S19/00		
B25Y40/22			
B25Y40/24			
B25Y40/30			
B25Y40/32			
B25Y40/34			
B25Y40/36			
B25Y50/00	G05D1/00		
	B25J9/00		
B25Y50/10	G05D1/02~08		
	B25J9/16~20		
B25Y50/20	B25J9/00		