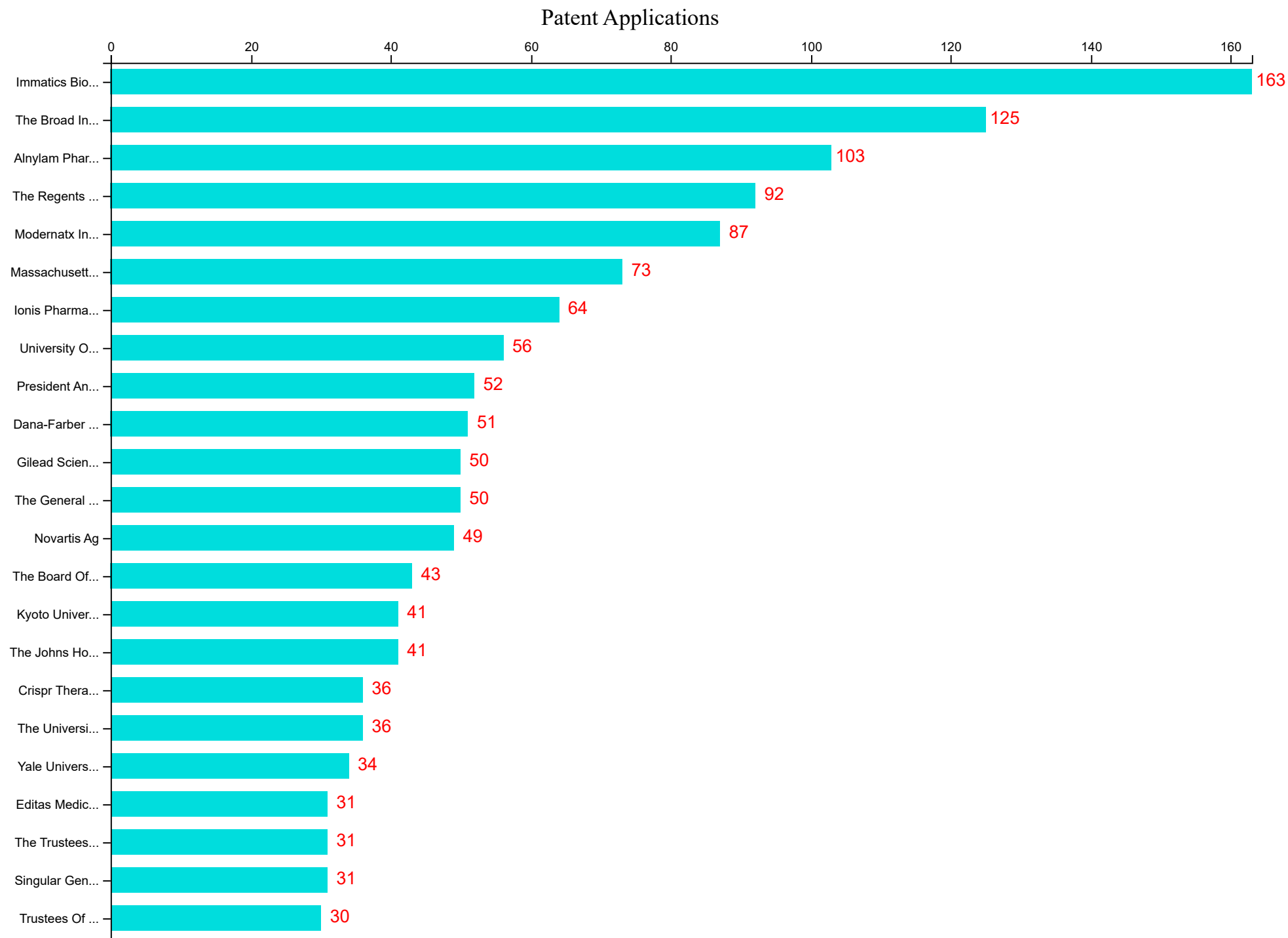
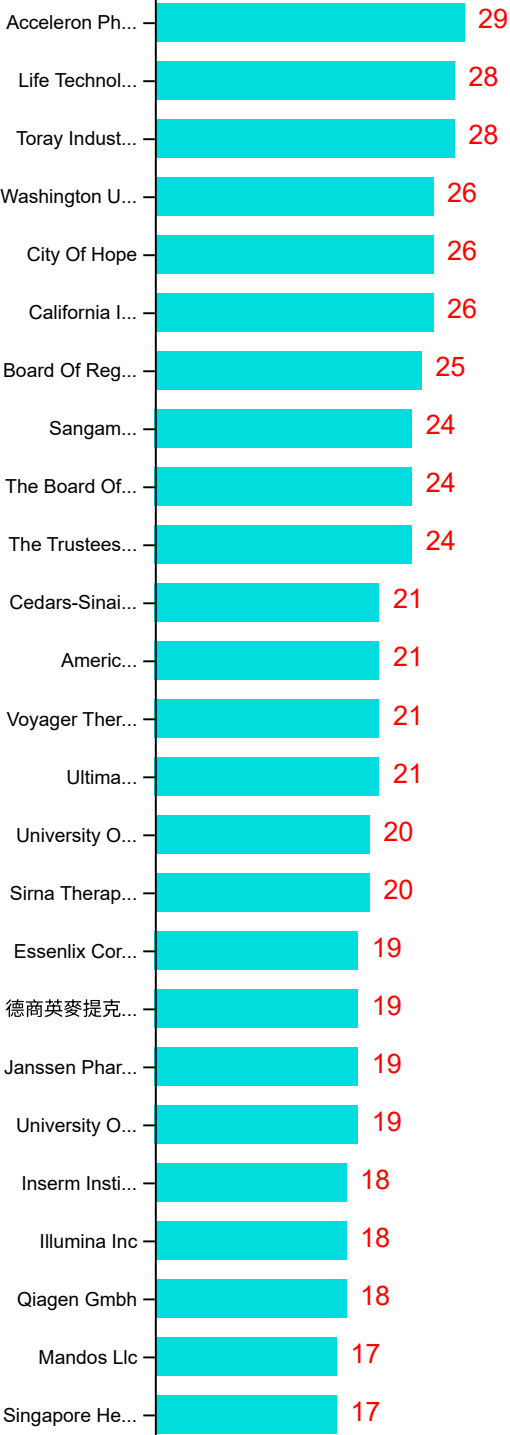
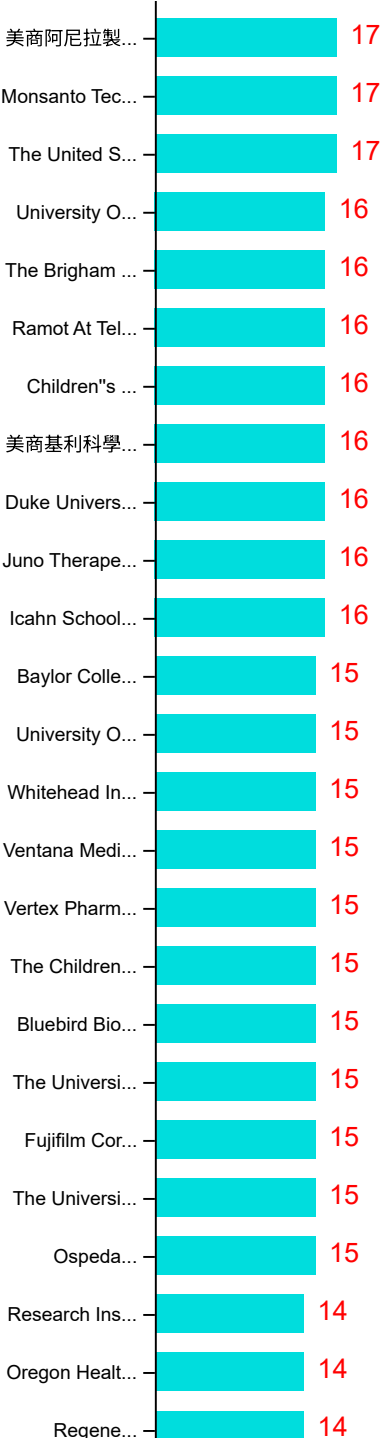
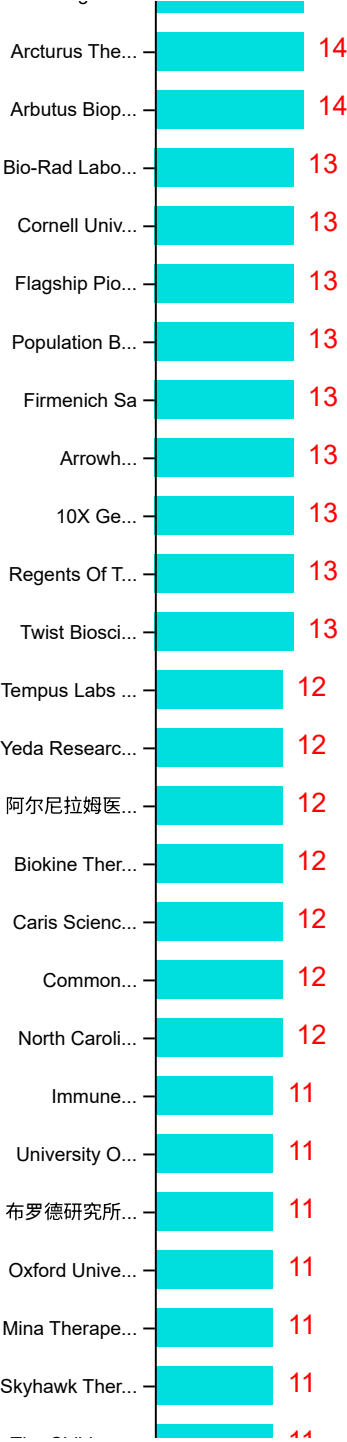


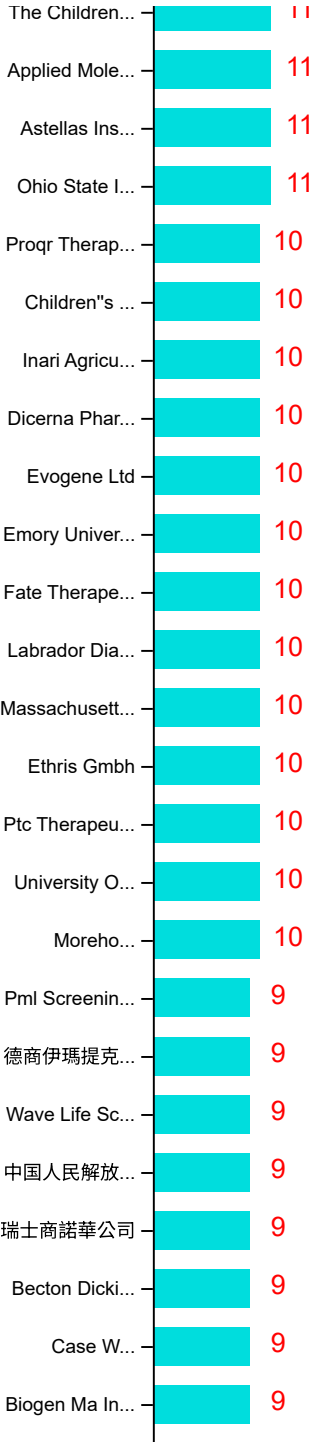
Patent Amount Patent Amount by Patentee
Patent Database : ALL
Data : Issue Date/Publication Date
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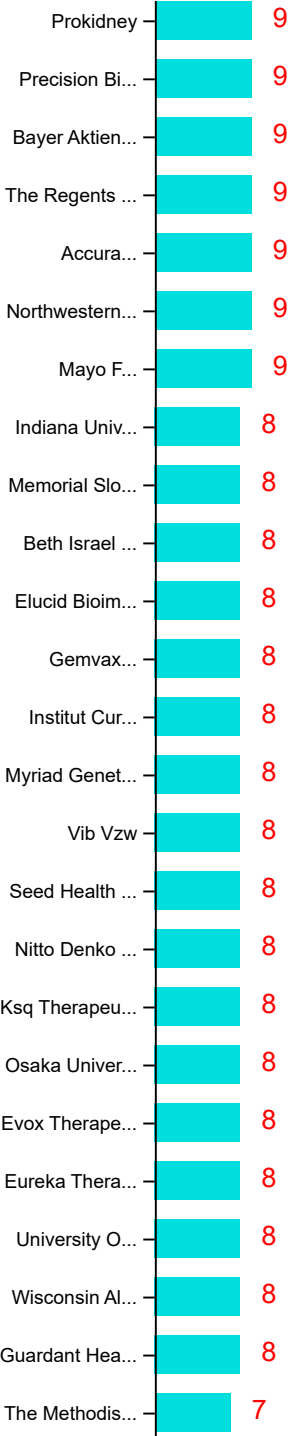






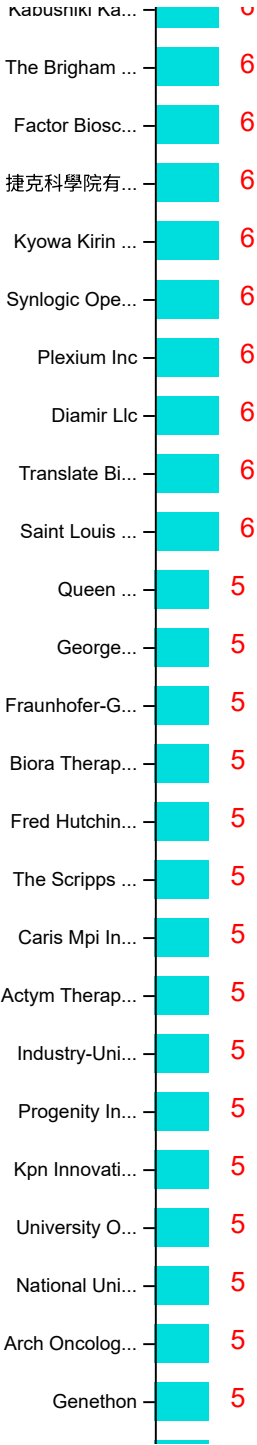






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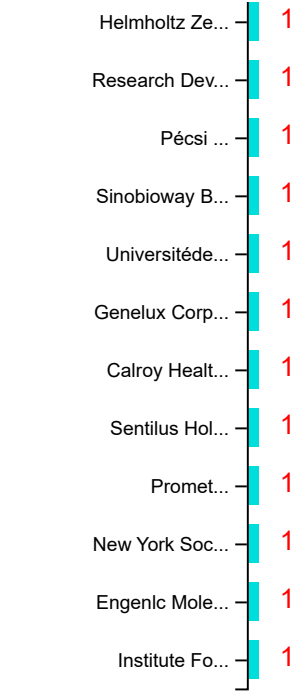
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The Broad Institute Inc	125	2.18%
Alnylam Pharmaceuticals Inc	103	1.79%
The Regents Of The University Of California	92	1.6%
Modernatx Inc	87	1.52%
Massachusetts Institute Of Technology	73	1.27%
Ionis Pharmaceuticals Inc	64	1.12%
University Of Massachusetts	56	0.98%
President And Fellows Of Harvard College	52	0.91%
Dana-Farber Cancer Institute Inc	51	0.89%

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The General Hospital Corporation	50	0.87%
Novartis Ag	49	0.85%
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Ptc Therapeutics Inc	10	0.17%
University Of South Florida	10	0.17%
Morehouse School Of Medicine	10	0.17%
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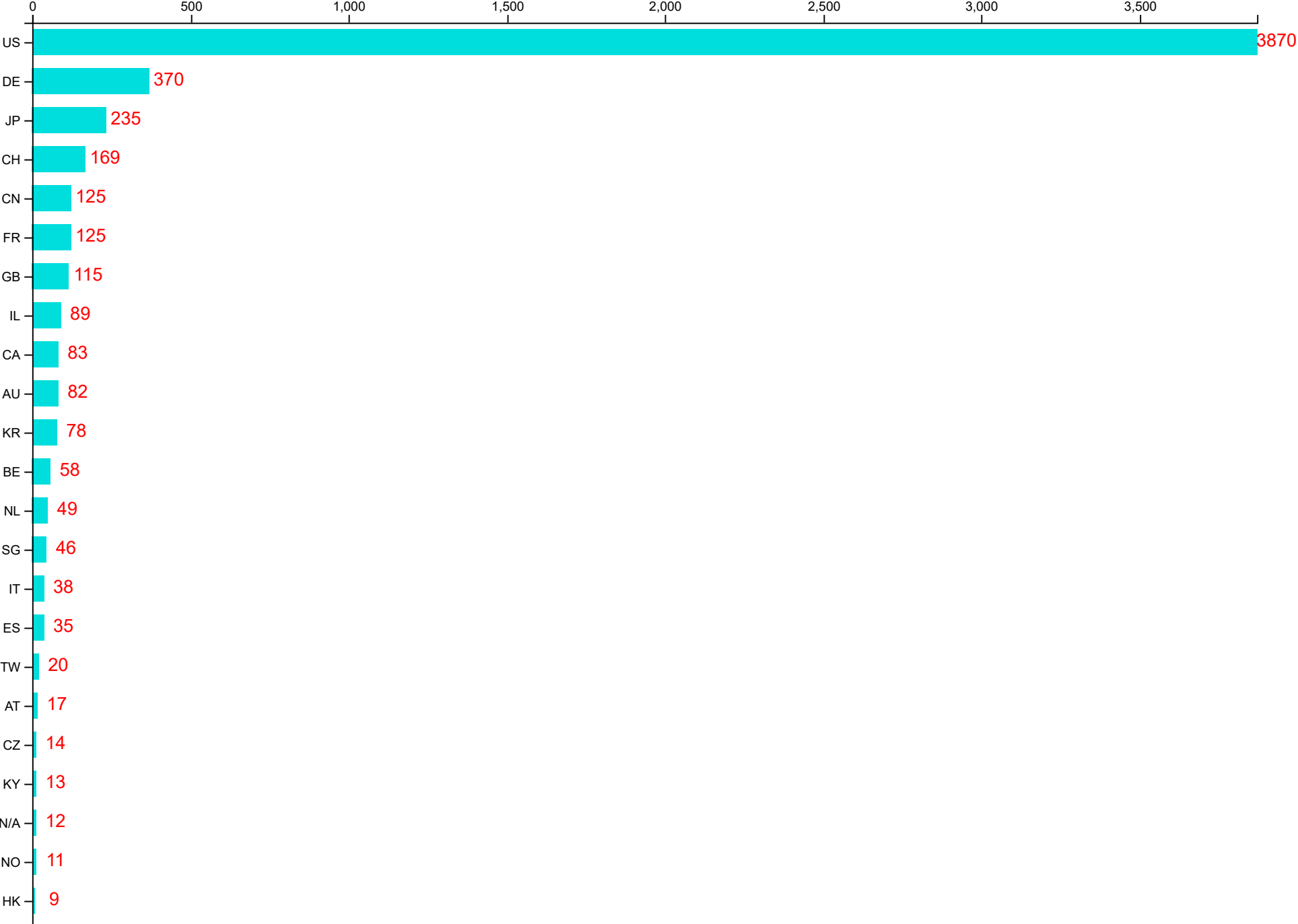
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Country	SE	9
	NZ	9
	IN	8
	IE	7
	DK	6
	SA	6
	PT	4
	BR	3
	CY	3
	SK	2
	HU	2
	PL	2
	LU	2
	TR	2
	AR	2
	MO	2
	EE	2
	HR	1
	GR	1
	AE	1
	FI	1
	CL	1
	GA	1
	VG	1

Country	Patent applications Average 122.15	Patentee Average 154.64	Patent Applications/Patentee Average: 1.27
US	3870	4799	1.24
DE	370	396	1.07
JP	235	331	1.41
CH	169	213	1.26
CN	125	147	1.18
FR	125	311	2.49
GB	115	131	1.14
IL	89	111	1.25
CA	83	91	1.10
AU	82	106	1.29
KR	78	93	1.19
BE	58	71	1.22
NL	49	57	1.16
SG	46	72	1.57
IT	38	67	1.76
ES	35	67	1.91
TW	20	26	1.30
AT	17	21	1.24
CZ	14	15	1.07
KY	13	13	1.00
N/A	12	12	1.00
NO	11	11	1.00
HK	9	9	1.00
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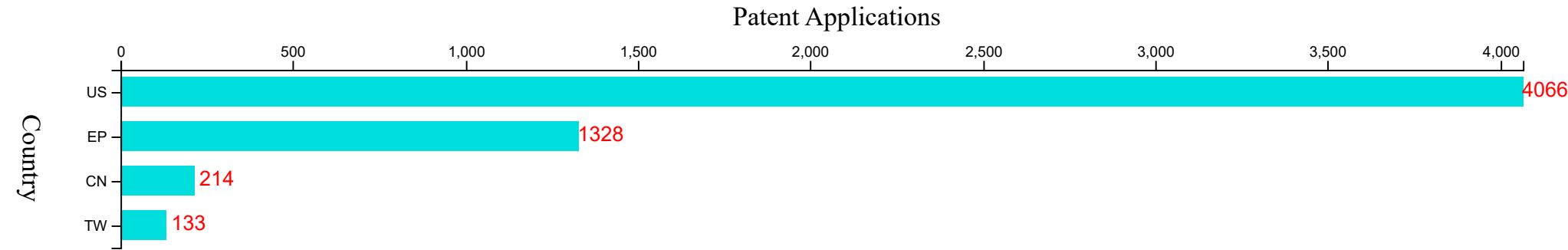
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Patent Amount Patent Amount by Country

Patent Database ：ALL

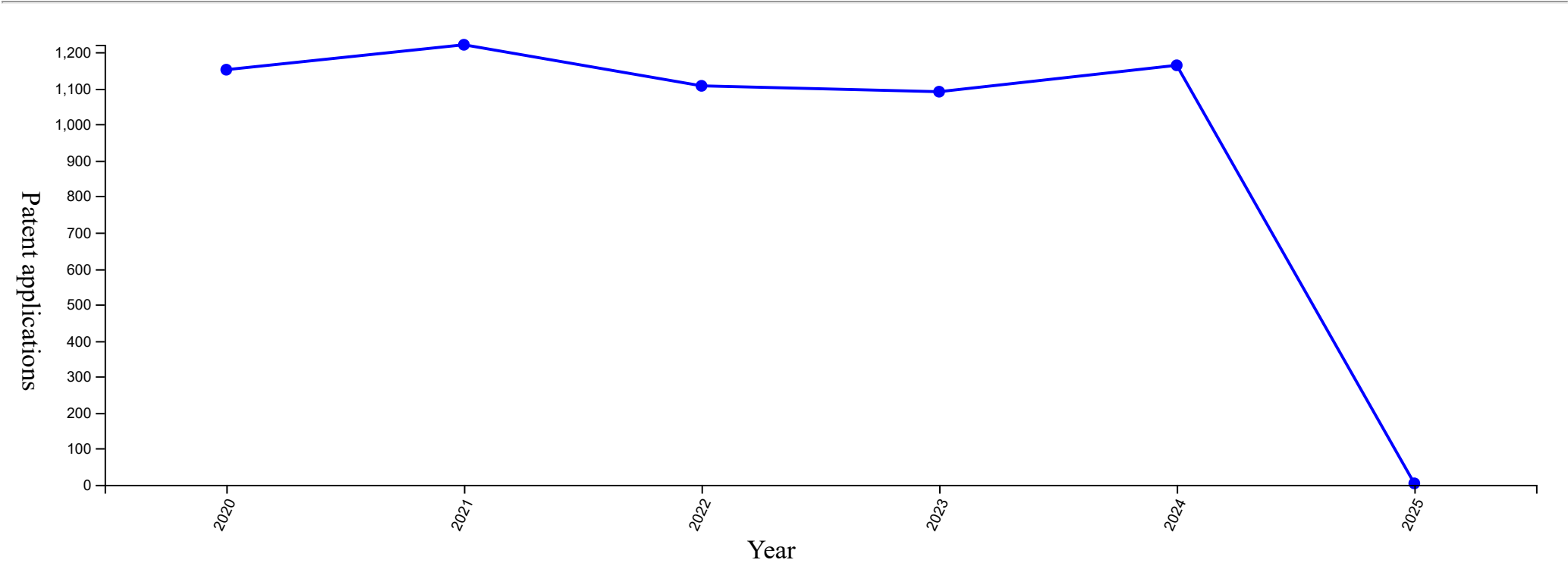
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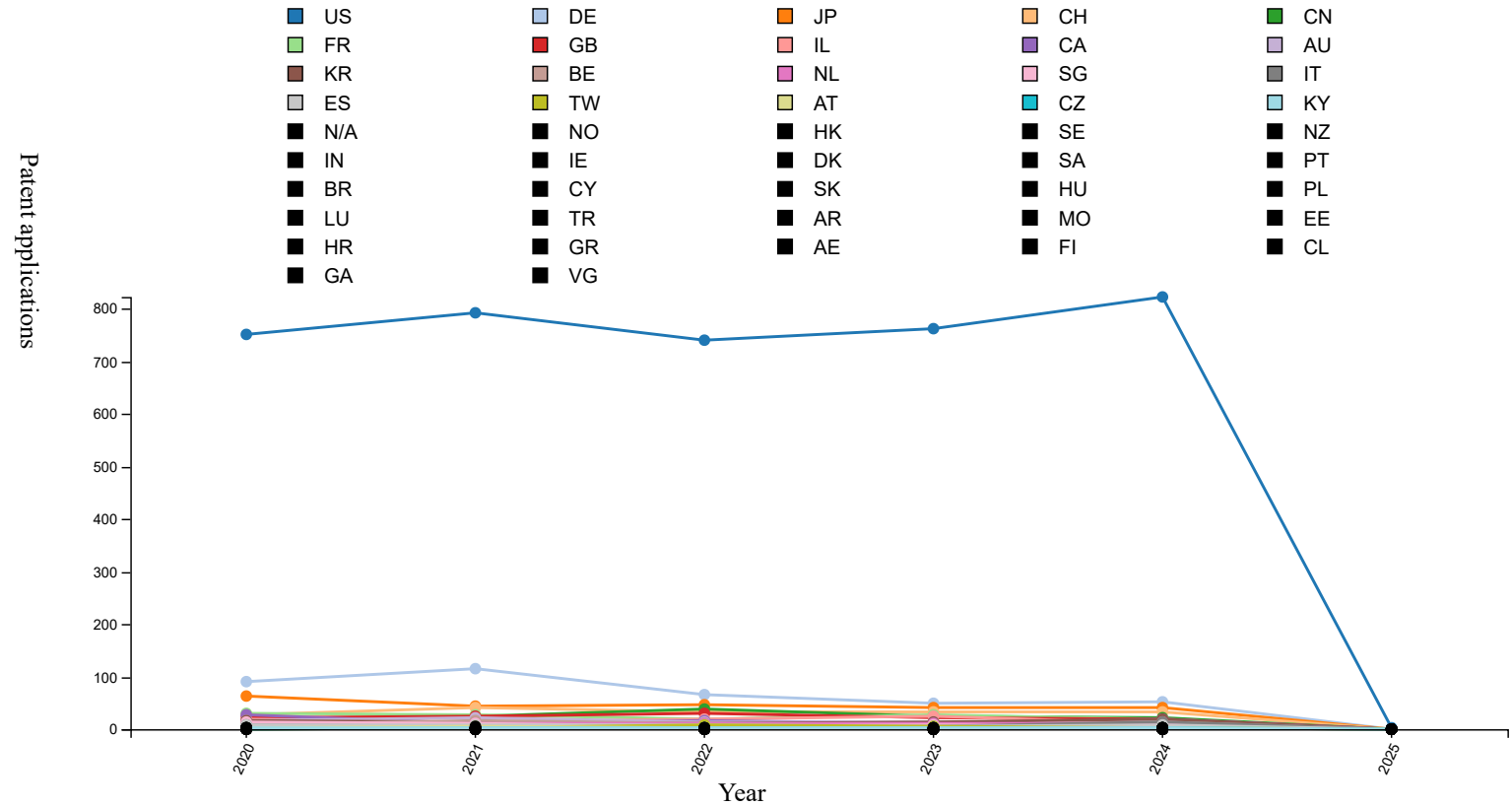
Country	Patent applications Average 1435.25	Patentee Average 1788.75	Patent Applications/Patentee Average: 1.27
US	4066	4892	1.20
EP	1328	1822	1.37
CN	214	280	1.31
TW	133	161	1.21

Years Patent Amount by Year
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2020~2025



Year	Patent applications	Proportion of patent applications
Total	5741	100.00 %
2025	4	0.00 %
2024	1165	20.00 %
2023	1092	19.00 %
2022	1107	19.00 %
2021	1221	21.00 %
2020	1152	20.00 %

Years Country's Patent Amount by Year
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2020~2025



Year	US	DE	JP	CH	CN	FR	GB	IL	CA	AU	KR	BE	NL	SG	IT	ES	TW	AT	CZ	KY	N/A	NO	HK	SE	NZ	IN	IE	DK	SA	PT	BR	CY	SK	HU	PL	LU	TR	AR	MO	EE	HR	GR	AE	FI	CL	GA	VG	Total	
Total	3870	370	235	169	125	125	115	89	83	82	78	58	49	46	38	35	20	17	14	13	12	11	9	9	9	8	7	6	6	4	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	574	
2025	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4		
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2023	761	48	40	34	24	28	22	24	10	13	15	8	11	9	6	6	6	4	4	2	2	3	1	1	2	1	2	1	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1092		
2022	741	65	47	33	38	19	29	19	17	15	12	10	10	6	6	8	8	2	2	2	2	0	1	4	2	2	1	0	1	1	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0	0	0	1107	
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2020	751	90	64	27	17	31	22	19	27	16	16	9	7	14	7	7	1	3	1	2	0	3	3	2	3	0	1	1	0	2	2	0	0	0	0	0	0	0	1	0	0	1	1	1	0	0	0	0	1152