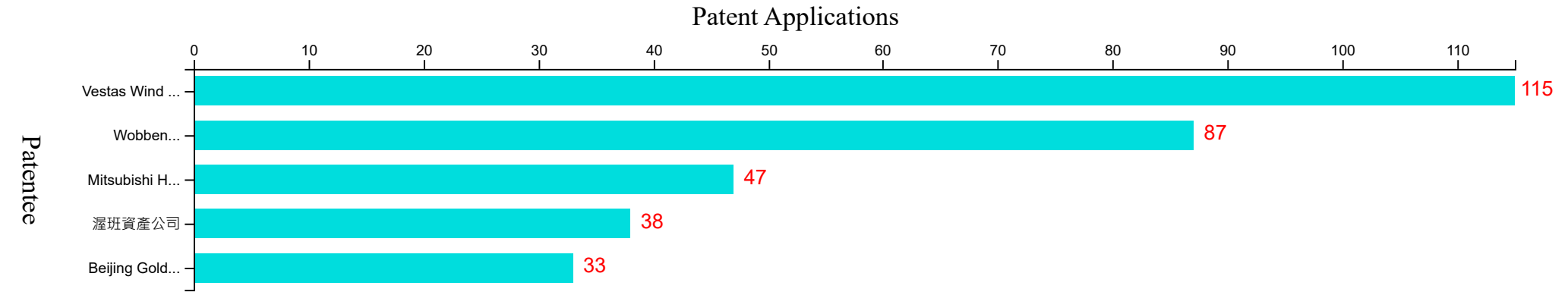
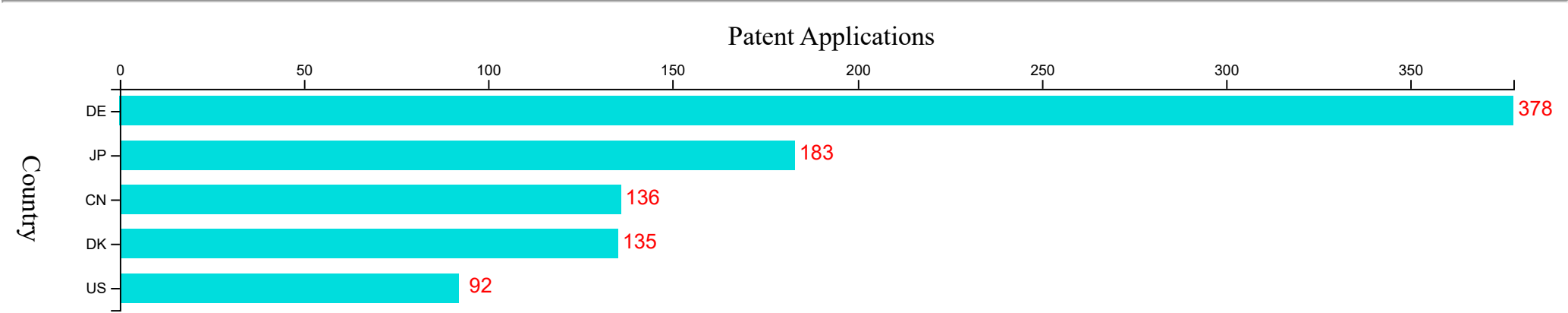


Patent Amount Patent Amount by Patentee
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2015~2025



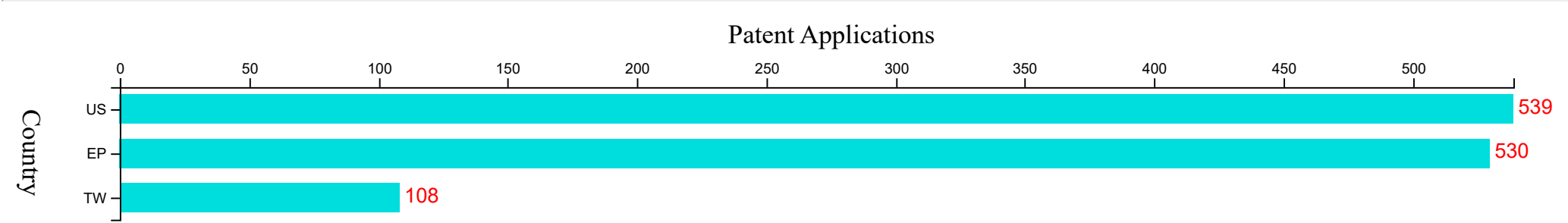
Patentee	Patent application Average 64.00	Proportion of patent applications
Total	320	100%
Vestas Wind Systems A/s	115	35.94%
Wobben Properties Gmbh	87	27.19%
Mitsubishi Heavy Industries Ltd	47	14.69%
渥班資產公司	38	11.88%
Beijing Goldwind Science & Creation Windpower Equipment Co Ltd	33	10.31%

Patent Amount Patent Amount by Patentee Country
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2015~2025



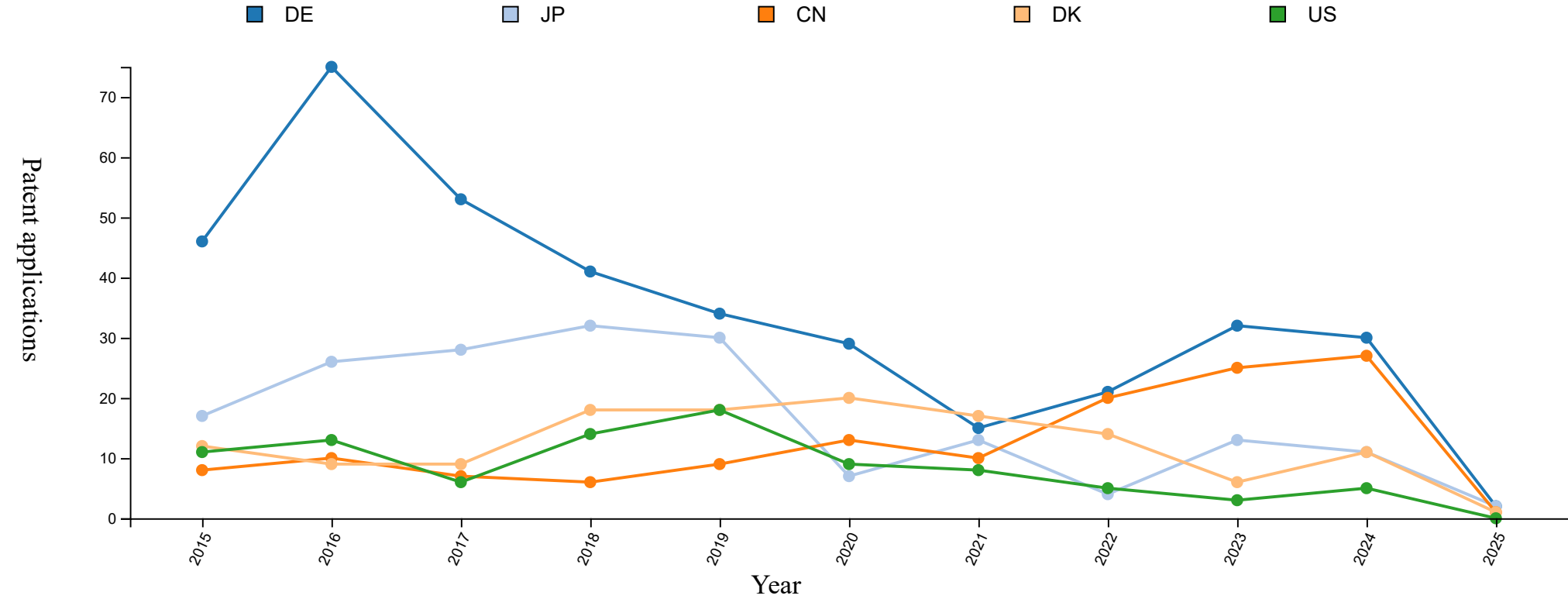
Country	Patent applications Average 184.80	Patentee Average 198.60	Patent Applications/Patentee Average: 1.10
DE	378	386	1.02
JP	183	201	1.10
CN	136	167	1.23
DK	135	135	1.00
US	92	104	1.13

Patent Amount Patent Amount by Country
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2015~2025



Country	Patent applications Average 392.33	Patentee Average 393.67	Patent Applications/Patentee Average: 1.02
US	539	512	0.95
EP	530	554	1.05
TW	108	115	1.07

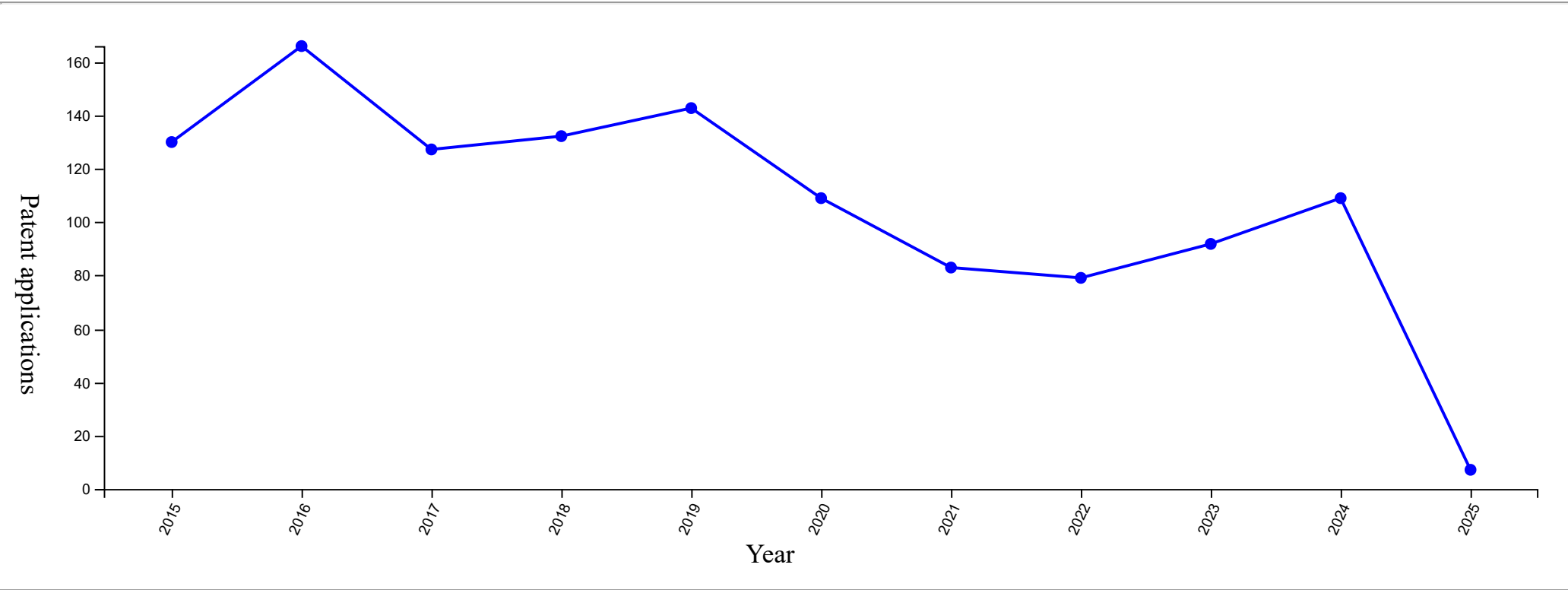
Years Country's Patent Amount by Year
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2015~2025



Year	DE	JP	CN	DK	US	Total
Total	378	183	136	135	92	924
2025	2	2	1	1	0	6
2024	30	11	27	11	5	84
2023	32	13	25	6	3	79
2022	21	4	20	14	5	64
2021	15	13	10	17	8	63
2020	29	7	13	20	9	78

Year	DE	JP	CN	DK	US	Total
2019	34	30	9	18	18	109
2018	41	32	6	18	14	111
2017	53	28	7	9	6	103

Years Patent Amount by Year
Patent Database : ALL
Data : Issue Date/Publication Date
Select years from : 2015~2025



Year	Patent applications	Proportion of patent applications
Total	1177	100.00 %
2025	7	1.00 %
2024	109	9.00 %
2023	92	8.00 %
2022	79	7.00 %
2021	83	7.00 %
2020	109	9.00 %
2019	143	12.00 %

Year	Patent applications	Proportion of patent applications
2018	132	11.00 %
2017	127	11.00 %