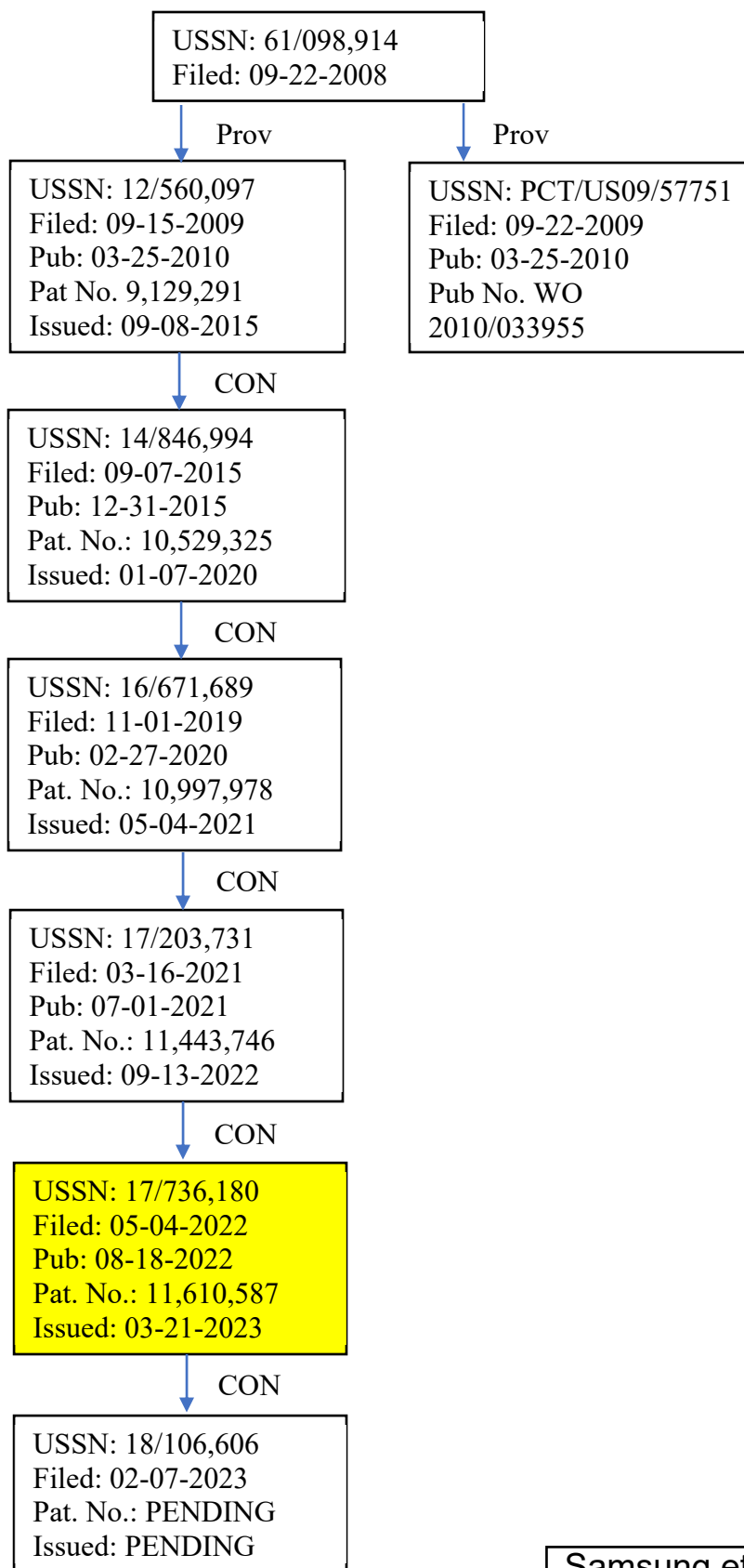


'587 Patent Family Tree



Samsung et. al. v. Techiya
IPR2024-00559
Exhibit 1031