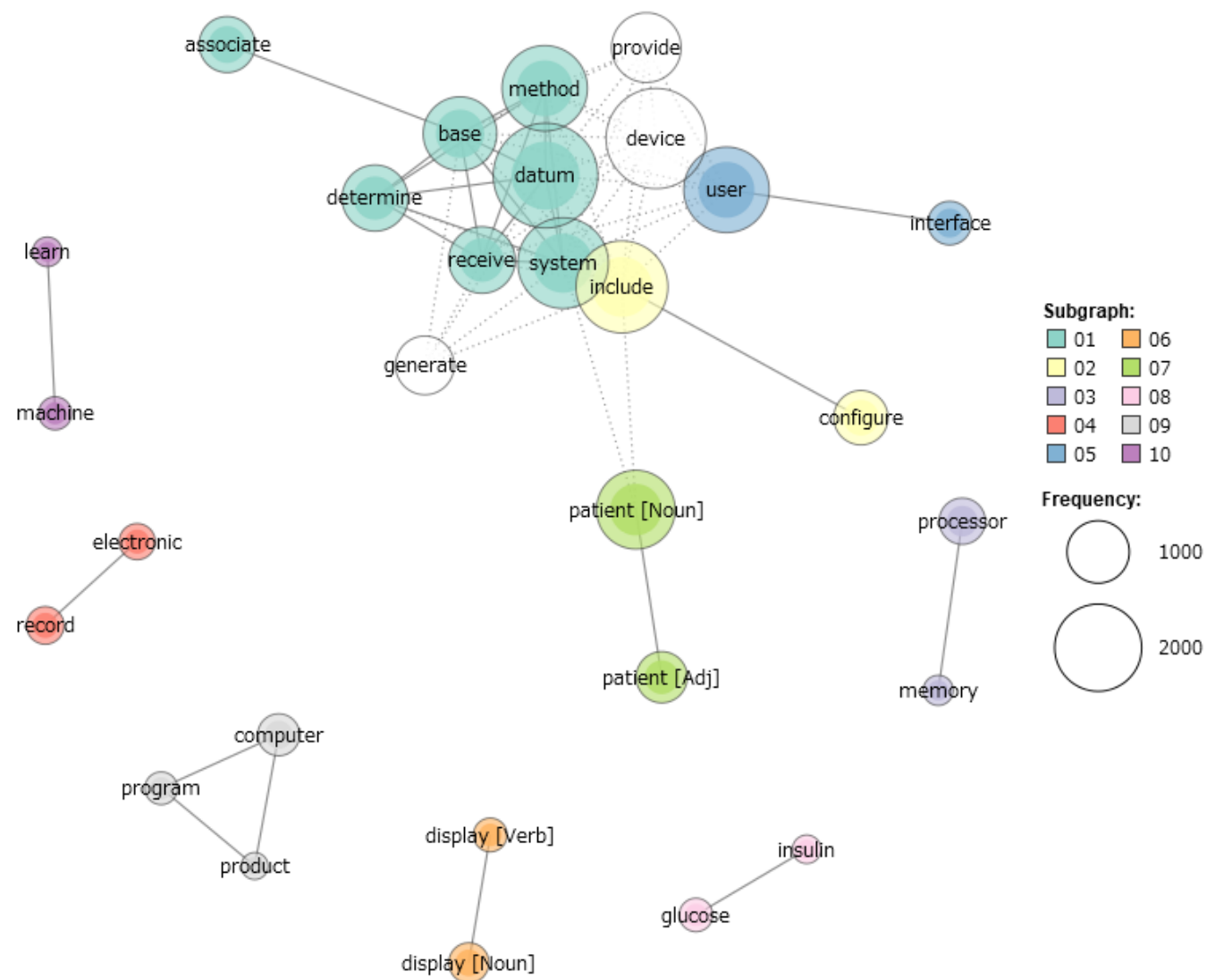
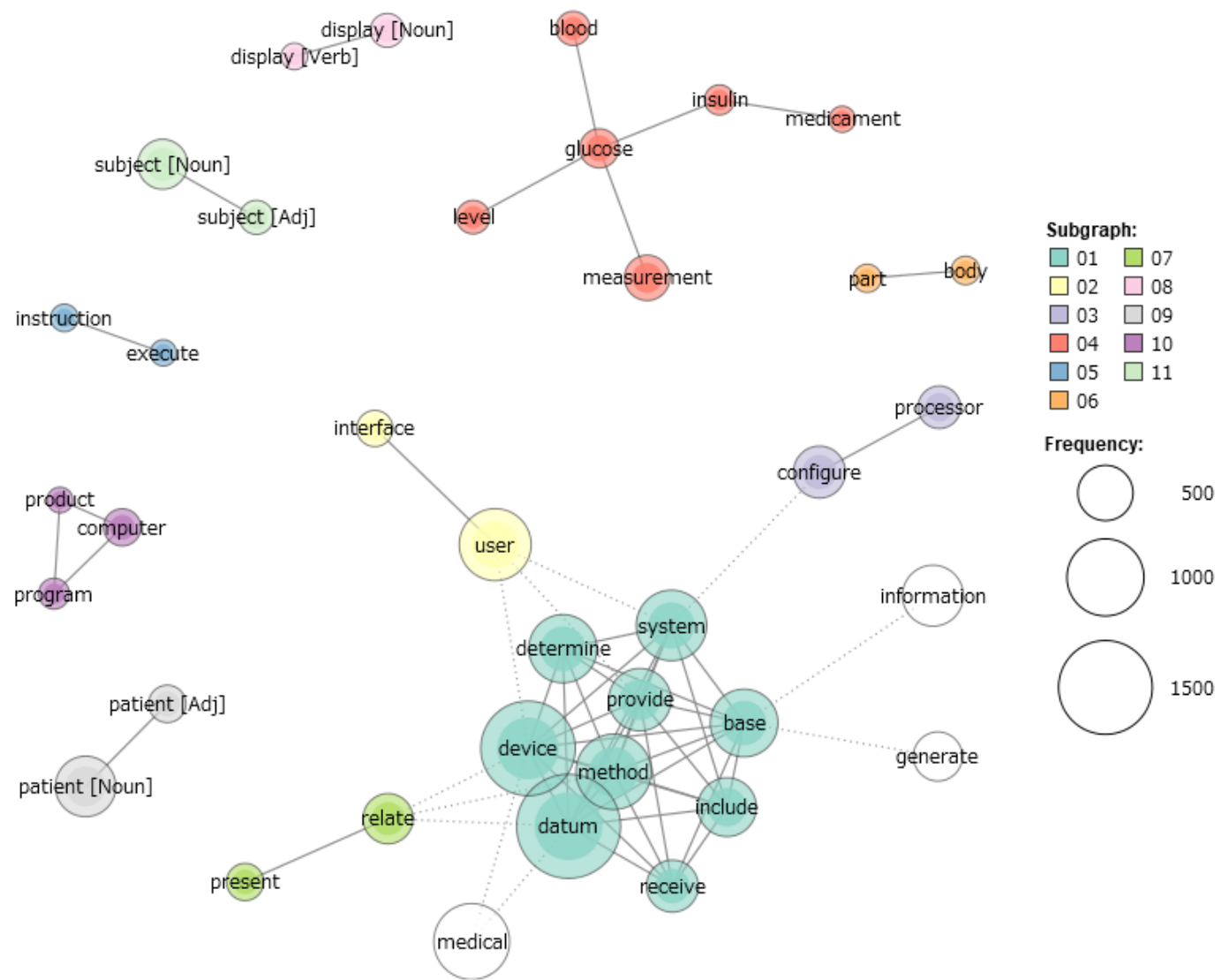


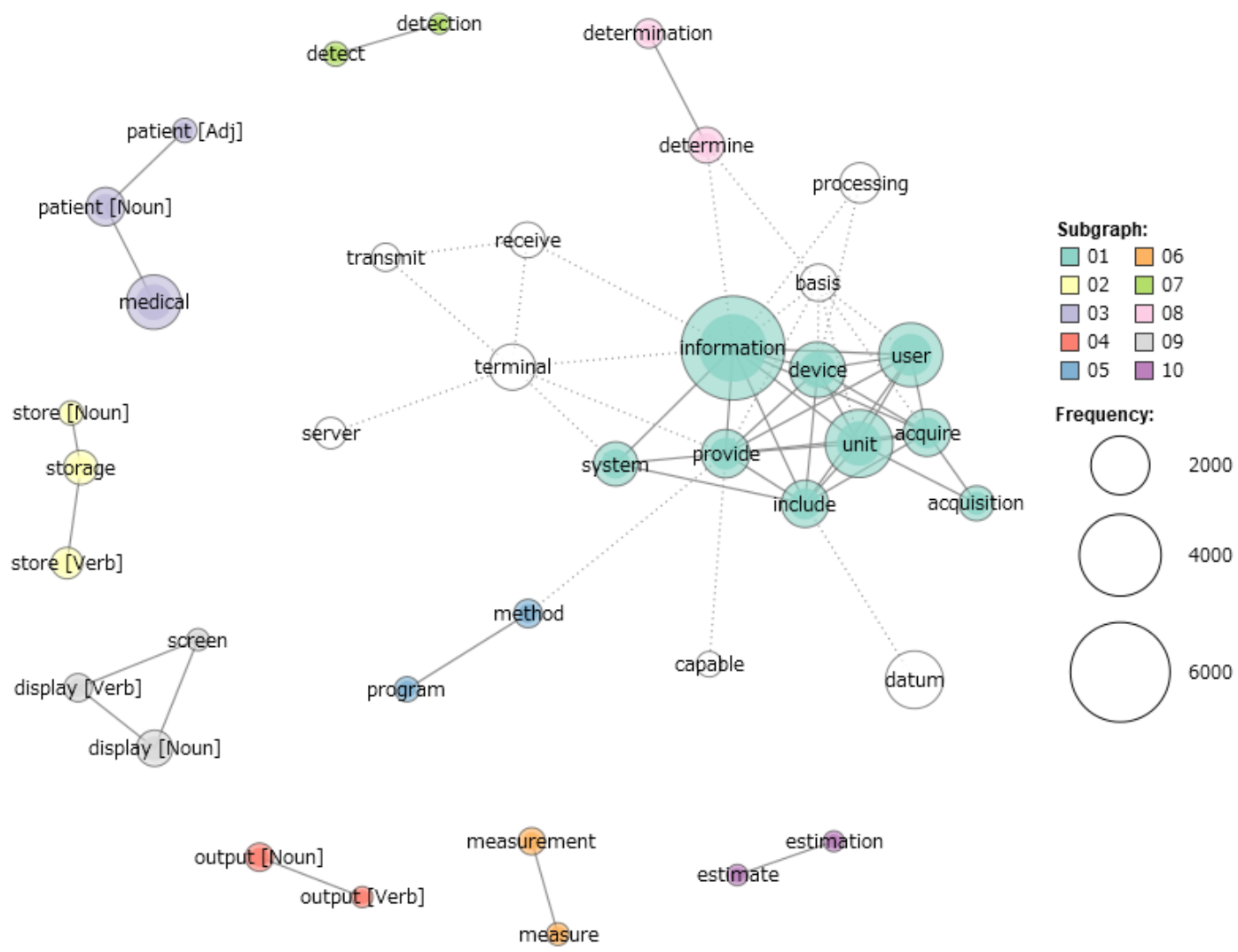
Appendix 2 Co-occurrence network analysis on abstracts of inventions of United States applicants.



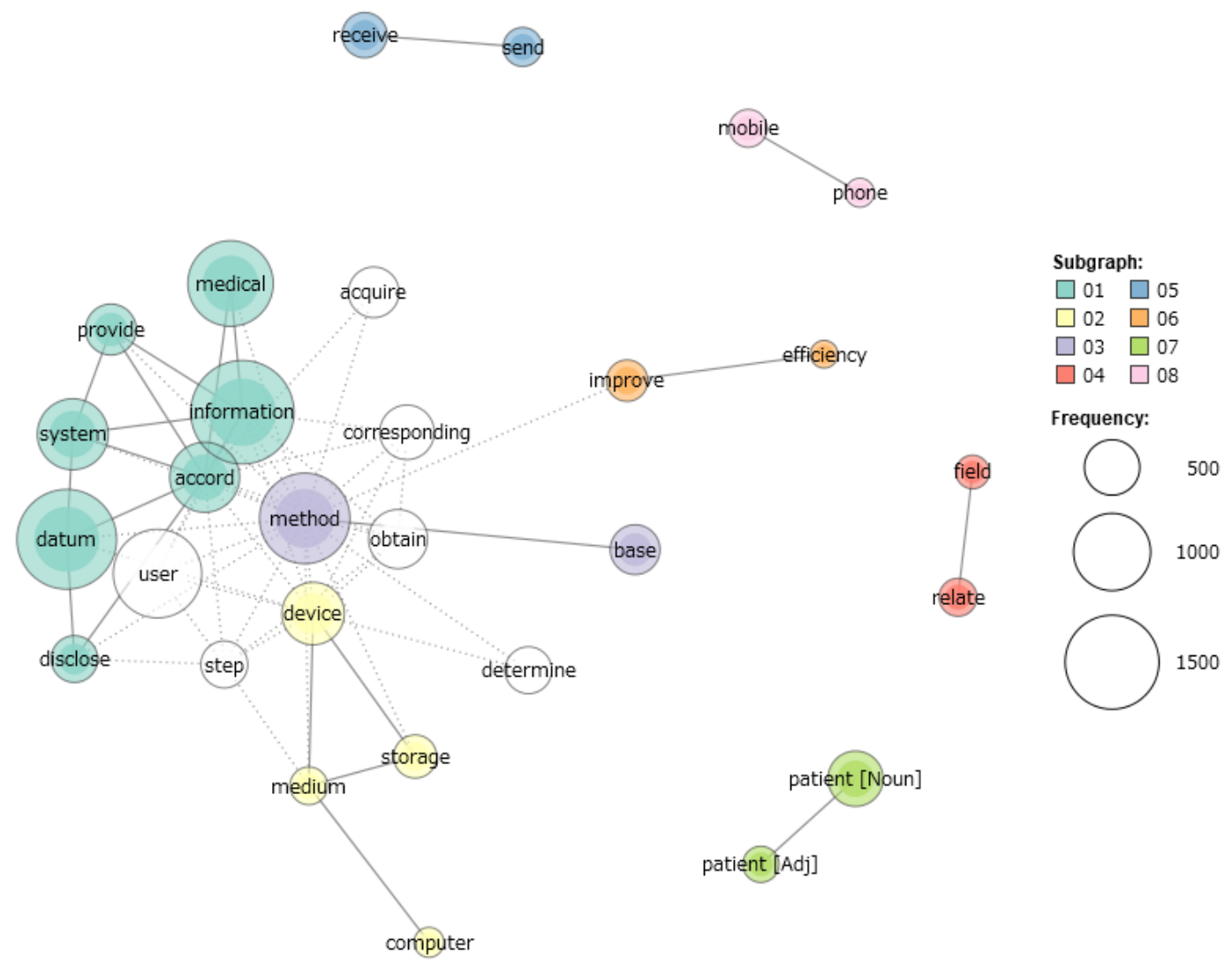
Appendix 3 Co-occurrence network analysis on abstracts of inventions of European applicants.



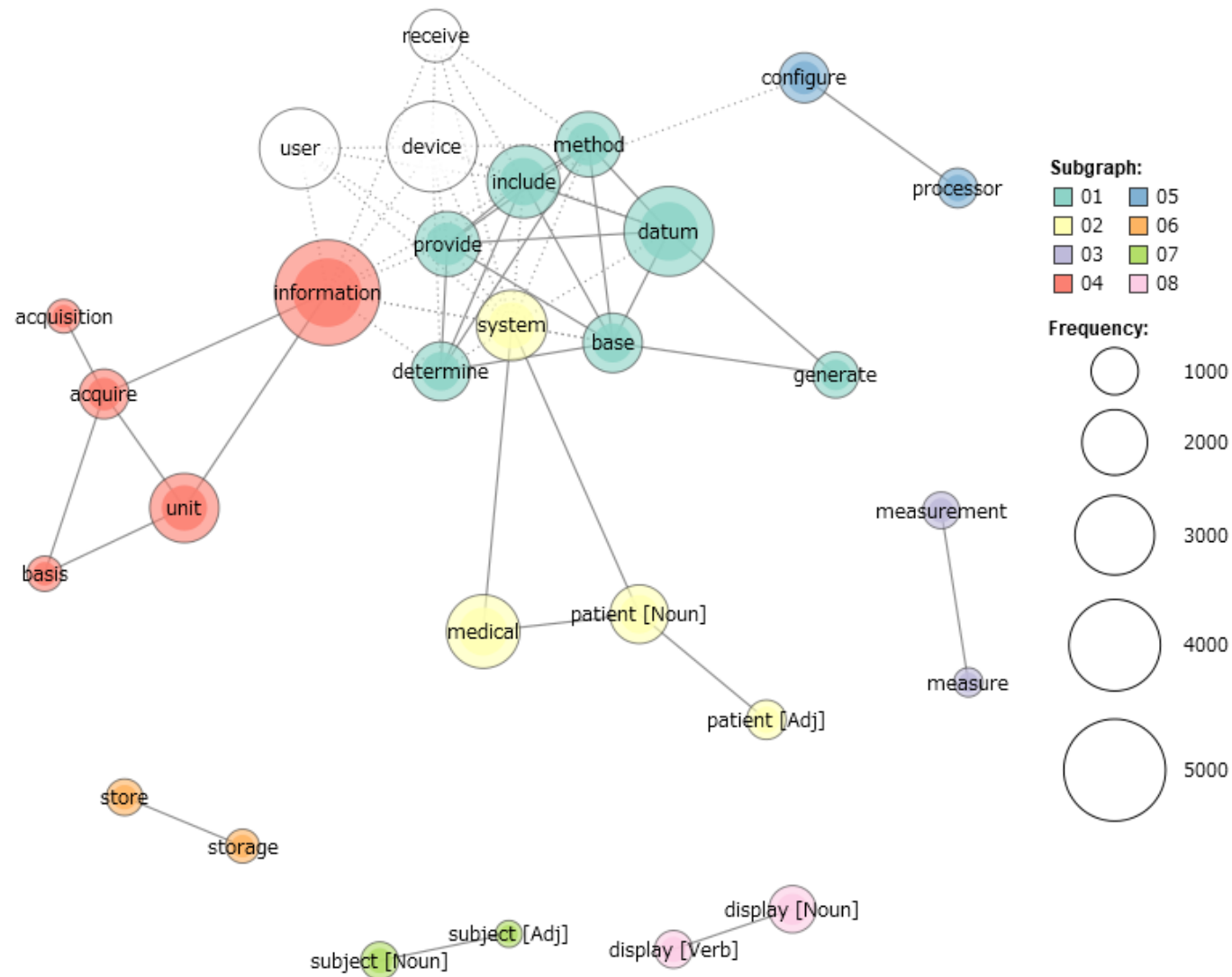
Appendix 4 Co-occurrence network analysis on abstracts of inventions of Japanese applicants.



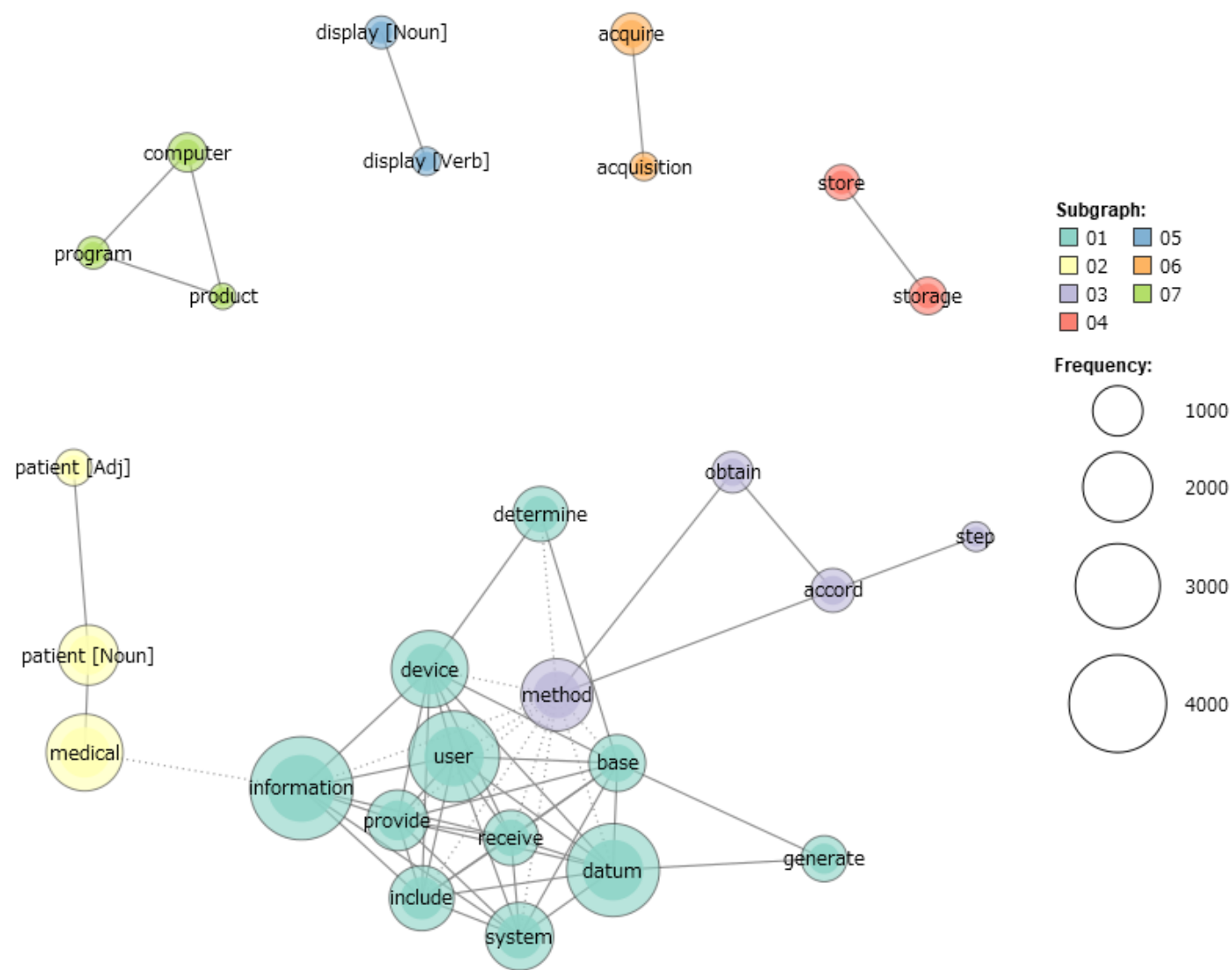
Appendix 5 Co-occurrence network analysis on abstracts of inventions of Chinese applicants.



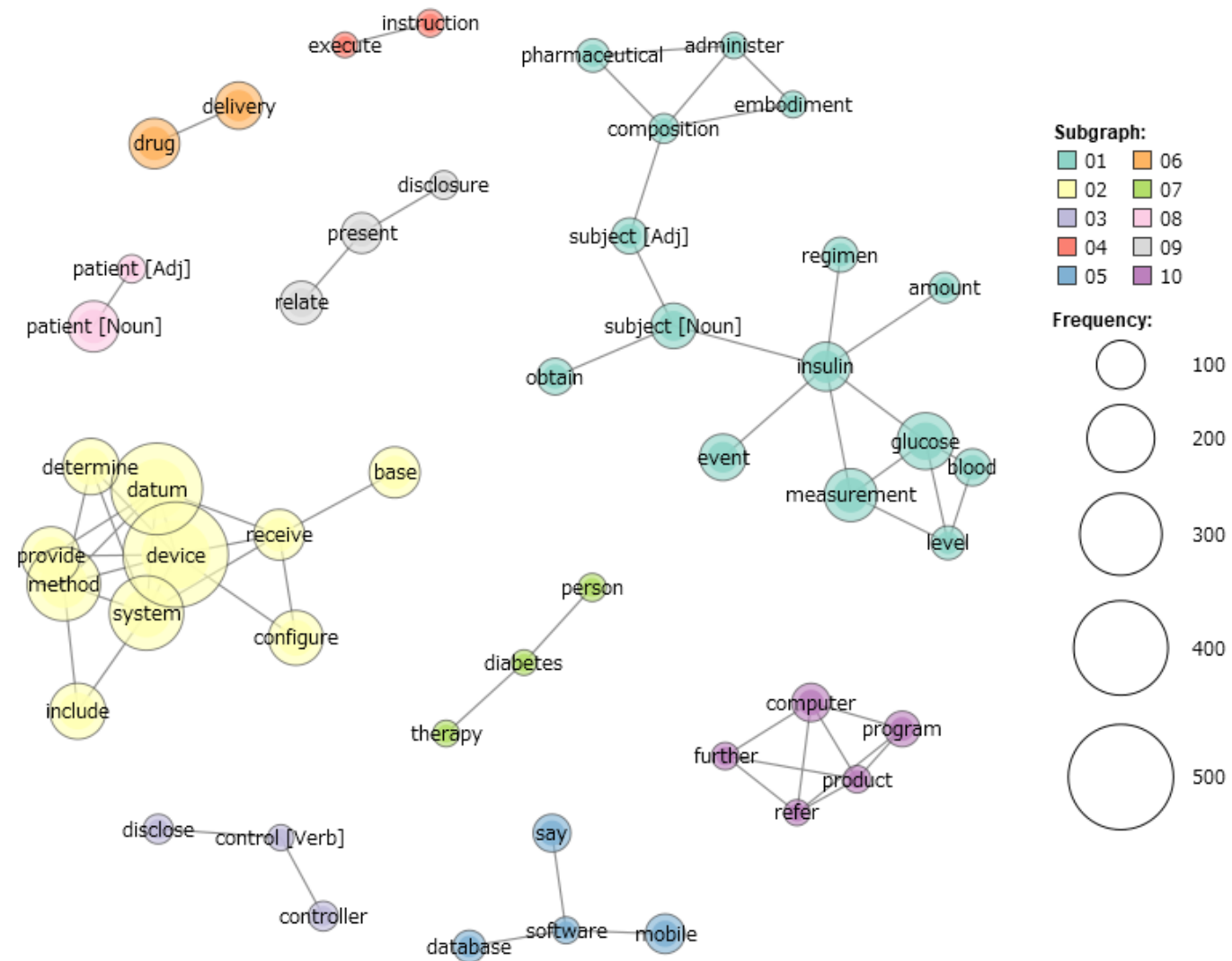
Appendix 6 Co-occurrence network analysis on abstracts of inventions of machinery industry.



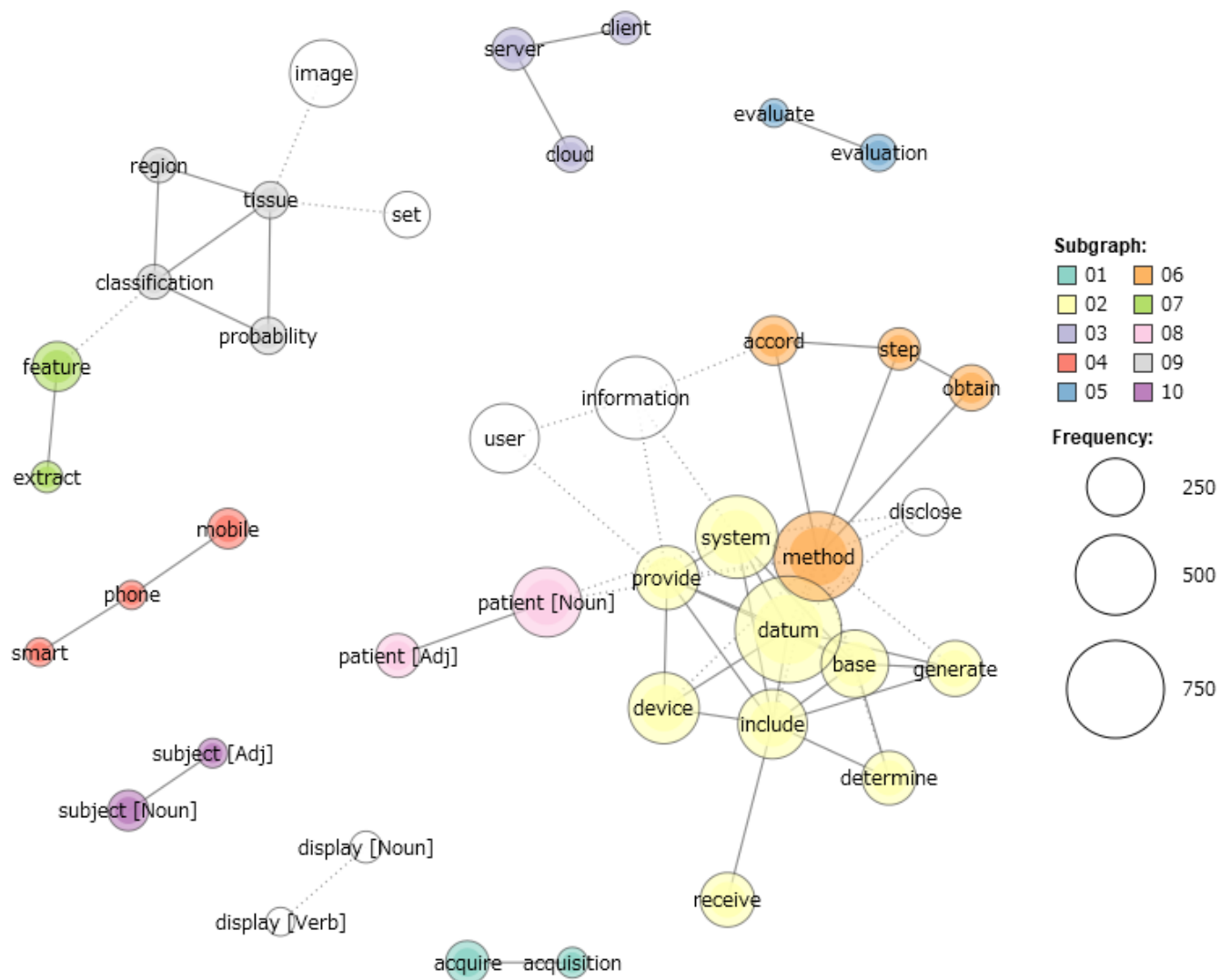
Appendix 7 Co-occurrence network analysis on abstracts of inventions of IT companies.



Appendix 8 Co-occurrence network analysis on abstracts of inventions of pharmaceutical companies.



Appendix 9 Co-occurrence network analysis on abstracts of inventions of academia (universities and public institutions) .



Appendix 10 Co-occurrence network analysis on abstracts of inventions of hospitals.

