Instruction

To find certain keyword’s html file, look for “keyword.html”.

To find a certain inventor’s html file, look for “firstname-lastname.html”.

Objective

The purpose of this tool is to help clients to obtain patent information based on keywords and inventor names. For each keyword/inventor will link to an html page should list ALL of the patent application name(s), application number(s), and inventor(s) that are linked to that keyword/inventor.

Methodology

To link each keyword to patent(s), we first split the number lines into 15 intervals. Then we use line indexes of each keyword to locate where this keyword belongs to. To provide basic information for each patent, we used a dictionary which has line intervals as keys and patent application name(s), application number(s), and inventor(s) as values.

To link each inventor to patent(s), we first stored a list of inventors for each patent. Next, we looked for every inventor’s associated patent(s) and return basic information for that patent(s).

Scope

This tool can be applied to any other patent files which has a similar format of current input file. It can be applied to other unstructured text file, however, the performance might not be as good as a similar input file.