Patent document service Flow diagram

USPTO

Insight — 1

Analyst — 1

Pat req   Pat req
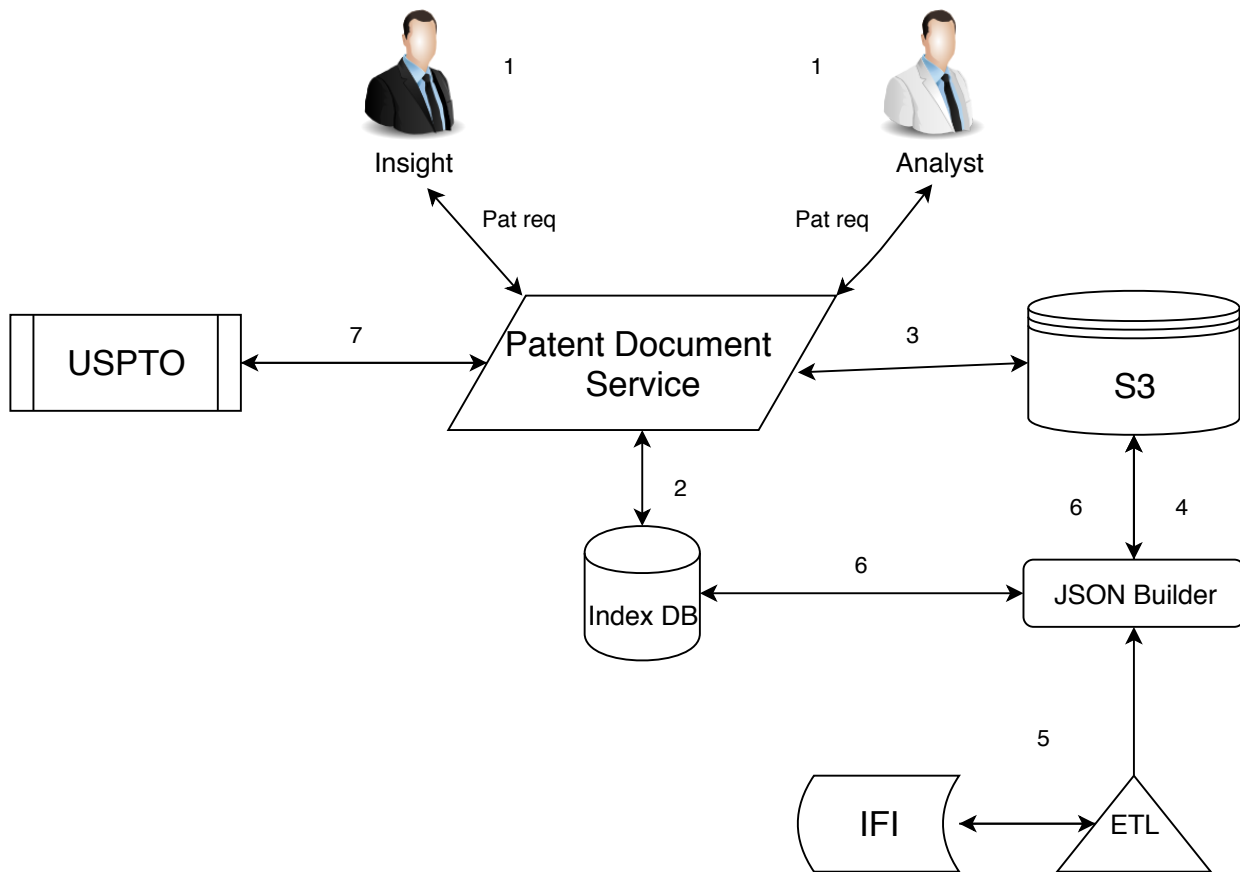
Patent Document Service

7

3

S3

2

Index DB

6   4

6

JSON Builder

5

IFI   ETL

1. Patent detail request from insight or analyst.
2. Check with pat num in index DB find the index value of s3.
3. Find the patent details with the index value.
4. Request to IFI to fetch the patent data.
5. Get the patent data from IFI (xml format) pass to json builder
6. Store the json data to s3 and index values to index DB.
7. If patent images not found. check directly with USPTO for US related patents and store to s3.