Queries for Patent Search by Loading Dataset

Queries/Code:

```sql
CREATE DATABASE IF NOT EXISTS patent;

USE patent;


-- Create Patents table
CREATE TABLE IF NOT EXISTS Patents (

    patent_number VARCHAR(255) PRIMARY KEY,

    title VARCHAR(255),

    inventor_name VARCHAR(255),

    patent_class VARCHAR(255),

    filing_date DATE,

    assignee_name VARCHAR(255),

    abstract TEXT

);


SHOW VARIABLES LIKE 'secure_file_priv';


-- Load data from CSV file into Patents table
LOAD DATA INFILE 'C:/ProgramData/MySQL/MySQL Server 8.0/Uploads/patent.csv'

INTO TABLE Patents

FIELDS TERMINATED BY ','

ENCLOSED BY '"'

LINES TERMINATED BY '\n'

IGNORE 1 ROWS; -- Skip header row if exists
```

```sql
#Selecting from the users table

SELECT * FROM Patents;


-- Search by Patent Number

SELECT * FROM Patents

WHERE patent_number = 'US2015269825A1';


-- Search by Title Keywords

SELECT * FROM Patents

WHERE title LIKE '%Glucose management%';


-- Search by Inventor Name

SELECT * FROM Patents

WHERE inventor_name IN ('Michael Mong Bao Tran');


-- Search by Filing Date

SELECT * FROM Patents

WHERE filing_date = '2014-03-20';
```