





fully homomorphic encryption.

One of the restrictions is limited usage of "ALTER TABLE" construction. As long as table altering doesn't affect encrypted columns, it can be performed, but adding or removing encryption from already existing table is unsupported. Another

Figure 4. Solution's architecture..

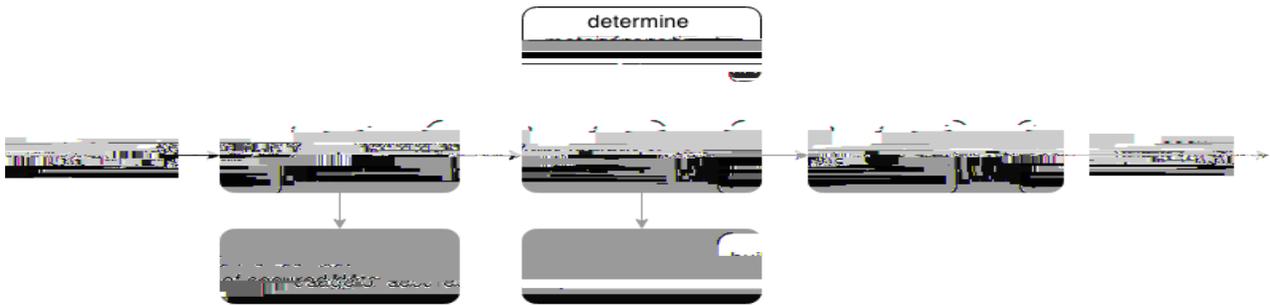


Figure 5. SQL-queries processor's functioning.

may be found. This secured columns demands metadata for correct usage of them. Therefore, SQL-query processor retrieves data from query which is column name, column's table name, column's type and encryption algorithm specified by marker to

```
SELECT SUMcount FROM tbl
```

3. Subtracting vector  $hb_0$

