

SYSTEM AND METHOD FOR SEARCHING A SYMMETRICALLY ENCRYPTED DATABASE FOR CONJUNCTIVE KEYWORDS

ABSTRACT

A system and method for searching a symmetrically encrypted database for conjunctive keywords is provided. More particularly, the system and method provides means for searching a symmetrically encrypted database for conjunctive keywords by utilizing an encrypted index table and a Bloom filter. The encrypted index table contains encrypted keywords and their associated index pairs while the Bloom filter contains elements that represent encrypted identity-keyword pairs of the database.

FIGURE 1