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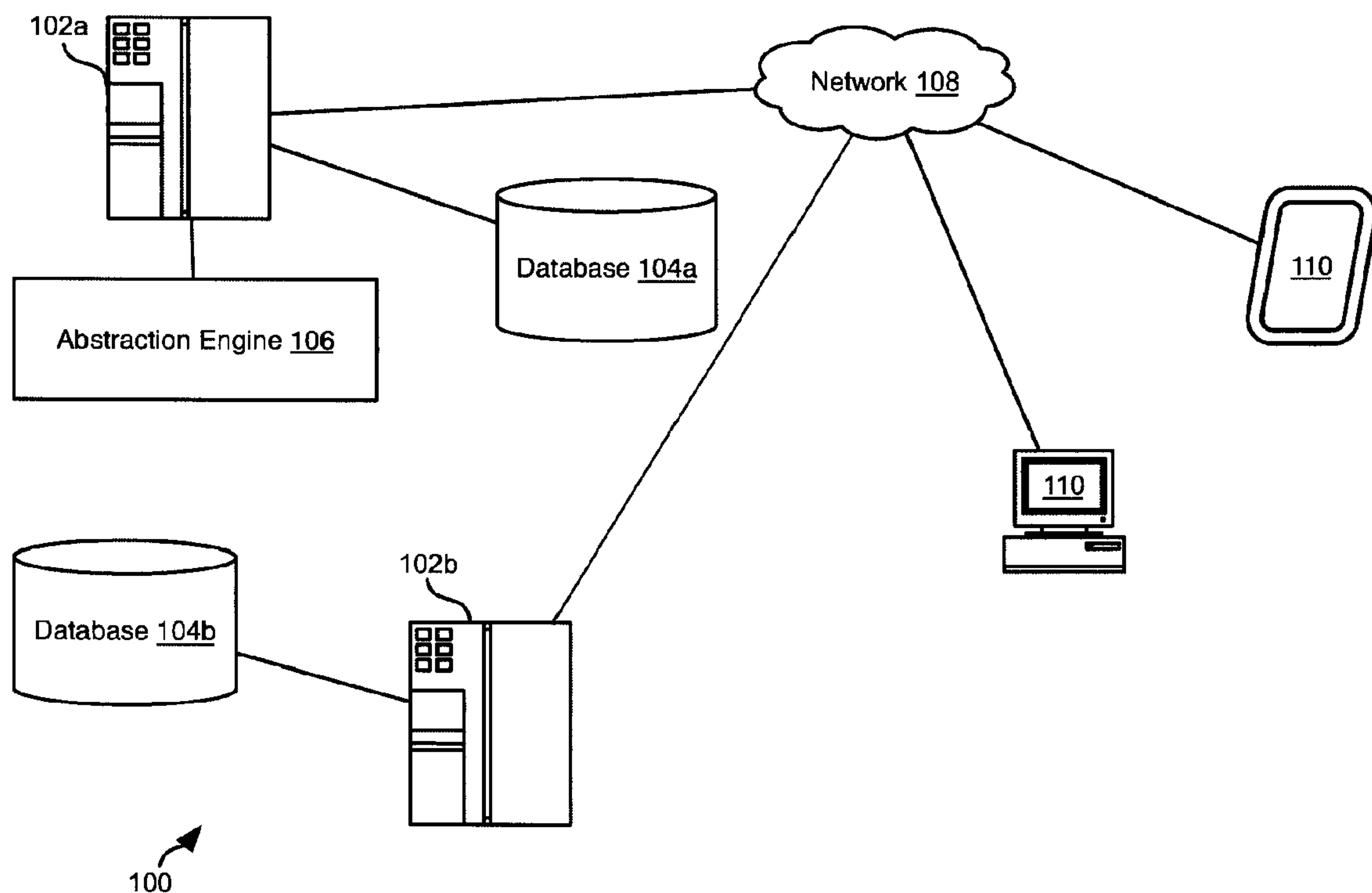
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(54) Titre : SERVICE D'INFORMATION SANS CODE DESTINE A L'EXTRACTION DE RESUME DE DONNEES
DISPARATES

(54) Title: CODELESS INFORMATION SERVICE FOR ABSTRACT RETRIEVAL OF DISPARATE DATA



(57) Abrégé/Abstract:

An abstraction engine receives requests identifying a source application and a logical identifier and maps the request attributes to a stored procedure. The stored procedure invokes a native database call with respect to a database and returns the response to the

(57) **Abrégé(suite)/Abstract(continued):**

abstraction later, which reformats the response to an object having <key, value> pairs that is independent of the database protocol or organization. Stored procedures may be mapped to various combinations of attributes of requests, which may include attributes such as a user identifier and application version. The stored procedure may return data from a particular database location or perform more complex functions such as filtering functions with using predefined filter criteria and locations or a filtering criteria and/or location derived from the request.

ABSTRACT

An abstraction engine receives requests identifying a source application and a logical identifier and maps the request attributes to a stored procedure. The stored procedure invokes a native database call with respect to a database and returns the response to the abstraction later, which reformats the response to an object having <key, value> pairs that is independent of the database protocol or organization. Stored procedures may be mapped to various combinations of attributes of requests, which may include attributes such as a user identifier and application version. The stored procedure may return data from a particular database location or perform more complex functions such as filtering functions with using predefined filter criteria and locations or a filtering criteria and/or location derived from the request.

Title: CODELESS INFORMATION SERVICE FOR ABSTRACT RETRIEVAL OF
DISPARATE DATA

BACKGROUND

FIELD OF THE INVENTION

[001] This invention relates to systems and methods for accessing a database.

BACKGROUND OF THE INVENTION

[002] For a large enterprise, data may be stored in various locations and any various formats, i.e. different database protocols. Accordingly, applications must format requests according to various protocols and extract data from responses having various formats. This increases the cost of application development.

[003] The systems and methods disclosed herein provide an improved approach for accessing databases using applications.

BRIEF DESCRIPTION OF THE DRAWINGS

[004] In order that the advantages of the invention will be readily understood, a more particular description of the invention briefly described above will be rendered by reference to specific embodiments illustrated in the appended drawings. Understanding that these drawings depict only typical embodiments of the invention and are not therefore to be considered limiting of its scope, the invention will be described and explained with additional specificity and detail through use of the accompanying drawings, in which:

[005] Fig. 1 is a schematic block diagram of a network environment suitable for implementing embodiments of the invention;

[006] Fig. 2 is a schematic block diagram of an example computing device suitable for implementing methods in accordance with embodiments of the invention;

All changes which come within the meaning and range of equivalency of the claims are to be embraced within their scope.

