

DESCRIPTION

[Title of Invention] RECORDING MEDIUM, INFORMATION
ACQUISITION METHOD, AND INFORMATION ACQUISITION DEVICE
[Technical Field]

5 [0001] The present invention relates to an information
acquisition program, an information acquisition method, and
an information acquisition device.

[Background Art]

10 [0002] As a tool for collecting information disclosed on
the Internet, a crawler tool is known. The crawler tool
crawls homepages on the Internet, and stores content
thereof in units of a uniform resource locator (URL), that
is, in units of a page. Developed is a technique of
extracting, from the content of the homepages, data used
15 for an item in a layout form desired by a user to generate
integrated data, and outputting the integrated data in
accordance with the layout form. Additionally, developed
is a technique of extracting data again when a blank column
remains in a data input part on the layout form.

20 [0003] Also developed is a technique of acquiring data
corresponding to structure information designated in
advance from structured data that is structured using the
structure information, and arranging the data in a template.
Additionally, developed is a technique of transmitting
25 information related to supplement of data when at least
part of the data corresponding to the structure information
is not present.

[Citation List]

[Non Patent Citation]

30 [0004] Patent Document 1: Japanese Laid-open Patent
Publication No. 2002-169836

Patent Document 2: Japanese Laid-open Patent

Publication No. 2008-282114

[Summary of Invention]

[Technical Problem]

[0005] However, for example, even when the data is
5 extracted again while changing an extraction condition or
information related to supplement of data is transmitted,
desired data corresponding to the layout form or a column
of the template is not obtained in some cases. Thus, in a
case of generating a document using the acquired data, it
10 is difficult to generate a document lacking little data,
that is, little information.

[0006] According to an aspect, the present invention
provides an information acquisition program, an information
acquisition method, and an information acquisition device
15 that can supplement information to be described in a
document.

[Solution to Problem]

[0007] In one aspect, a computer-readable recording
medium stores an information acquisition program that
20 causes a computer to execute processing of acquiring a
specific piece of data using information for specifying a
position of the specific piece of data in a document of a
certain site by referring to a storage unit configured to
store therein information for specifying the position of
25 the specific piece of data in the document of the certain
site and information for specifying a position of another
piece of data having a predetermined relation to the
specific piece of data in the document. The computer-
readable recording medium stores the information
30 acquisition program that causes the computer to execute
processing of acquiring the other piece of data using the
position of the other piece of data related to the specific
piece of data in the document by referring to the storage
unit, and acquiring data having the predetermined relation
35 to the other piece of data using the acquired other piece

CLAIMS

1. A computer-readable recording medium storing an information acquisition program that causes a computer to execute processing of:

5 acquiring a specific piece of data using information for specifying a position of the specific piece of data in a document of a certain site by referring to a storage unit configured to store therein information for specifying the position of the specific piece of data in the document of
10 the certain site and information for specifying a position of another piece of data having a predetermined relation to the specific piece of data in the document; and

 acquiring the other piece of data using the position of the other piece of data related to the specific piece of
15 data in the document by referring to the storage unit, and acquiring data having the predetermined relation to the other piece of data using the acquired other piece of data.

2. The computer-readable recording medium according to
20 claim 1, wherein the processing of acquiring the data having the predetermined relation to the other piece of data includes acquiring data having the predetermined relation to the other piece of data by providing the other piece of data to a search engine corresponding to the
25 predetermined relation.

3. The computer-readable recording medium according to claim 1, wherein the processing of acquiring the data having the predetermined relation to the other piece of
30 data includes, when the processing of acquiring the specific piece of data is unable to be executed by using the information for specifying the position of the specific piece of data in the document of the certain site, acquiring the other piece of data using the position of the
35 other piece of data related to the specific piece of data in the document, and

acquiring data having the predetermined relation to the other piece of data using the acquired other piece of data.

4. The computer-readable recording medium according to claim 1, wherein the document is a document in which a markup language is used.

5. The computer-readable recording medium according to claim 1, wherein the predetermined relation is address information and position coordinate information, or a phone number and facility name information.

6. A computer-readable recording medium storing an information acquisition program that causes a computer to execute processing of:

by referring to a storage unit configured to store therein information for specifying a position of a specific piece of data in a document of a certain site, information for specifying a position of a first piece of data having a first relation to the specific piece of data in the document, and information for specifying a position of a second piece of data having a second relation to the specific piece of data in the document, when processing of acquiring the specific piece of data is unable to be executed using the information for specifying the position of the specific piece of data in the document of the certain site, acquiring the first piece of data using the position of the first piece of data related to the specific piece of data in the document, and acquiring data having the first relation to the first piece of data using the acquired first piece of data; and

by referring to the storage unit, when data having the first relation to the first piece of data is unable to be acquired, acquiring the second piece of data using the