

CLAIMS

1. A method for providing a search engine label, characterized by, comprising:
extracting one or more attribute words in a sentence;
5 performing a dependence relationship analysis on the sentence to obtain a dependence relationship path, with respect to each attribute word, from the attribute word to a viewpoint word;
extracting the viewpoint words corresponding respectively to each of the attribute words in the sentence based on the dependence relationship path; and
10 using the attribute words and the viewpoint words to compose the search engine label;
characterized in that, the step of extracting the viewpoint words corresponding respectively to each of the attribute words in the sentence based on the dependence relationship path comprises:
selecting a dependence relationship path having a comparatively high occurrence
15 frequency from the dependence relationship paths;
obtaining a dependence relationship rule based on the selected dependence relationship path; and
extracting the viewpoint words corresponding to the respective attribute words in the sentence based on the dependence relationship rule.
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2. The method according to claim 1, characterized in that, before the step of extracting one or more attribute words in a sentence, the method further comprises:
filtering text data based on a preset rule; and
acquiring a sentence from the text data.
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3. The method according to claim 2, characterized in that, the step of acquiring a sentence from the text data comprises:
performing a clause division on the text data based on the punctuations to obtain short clauses; and
30 acquiring the short clauses to serve as the sentence.

4. The method according to claim 1, characterized in that, the step of performing a dependence relationship analysis on the sentence to obtain a dependence relationship path, with respect to each attribute word, from the attribute word to a viewpoint word comprises:

- 5 performing the dependence relationship analysis on the sentence to obtain a series of dependence relationships of the sentence;
obtaining, for each attribute word, the dependence relationship from the attribute word to a viewpoint word via the series of dependence relationships, based on the attribute words and the series of dependence

relationships; and

traversing the dependence relationships containing the viewpoint words to thereby obtain the dependence relationship path.

- 5 5. The method according to any one of claims 1 to 4, characterized in that, after the step of using the attribute words and the viewpoint words to compose the search engine label, the method further comprises: combining a plurality of labels containing synonymous viewpoint words into one label based on a synonymy.
- 10 6. A device for providing a search engine label, characterized by, comprising:
an attribute word extraction module for extracting one or more attribute words in a sentence;
a dependence relationship analysis module for performing a dependence relationship analysis on the sentence to obtain, for each attribute word, a dependence relationship
15 path from the attribute word to a viewpoint word;
a viewpoint word extraction module for extracting the viewpoint words corresponding respectively to each of the attribute words in the sentence based on the dependence relationship path; and
a search engine label module for using the attribute words and the viewpoint words to
20 compose the search engine label,

characterized in that, the viewpoint word extraction module is further used for:
selecting a dependence relationship path having a comparatively high occurrence
frequency from the dependence relationship paths;
obtaining a dependence relationship rule based on the selected dependence relationship
5 path; and
extracting the viewpoint words corresponding to the respective attribute words in the
sentence based on the dependence relationship rule.

7. The device according to claim 6, characterized by, further comprising a preprocessing
10 module for filtering text data based on a preset rule, and then acquiring a sentence from
the text data.

8. The device according to claim 7, characterized in that, the preprocessing module is further used for performing a clause division on the text data based on the punctuations to obtain short clauses, and then acquiring the short clauses to serve as the sentence.
- 5 9. The device according to claim 6, characterized in that, the dependence relationship analysis module is further used for:
- performing the dependence relationship analysis on the sentence to obtain a series of dependence relationships of the sentence;
- obtaining, for each attribute word, the dependence relationship from the attribute word
- 10 to a viewpoint word via the series of dependence relationships, based on the attribute words and the series of dependence relationships; and
- traversing the dependence relationships containing the viewpoint words to thereby obtain the dependence relationship path.
- 15 10. The device according to any one of claims 6 to 9, further comprising a normalization module for combining a plurality of labels containing synonymous viewpoint words into one label based on a synonymy.