Drawings

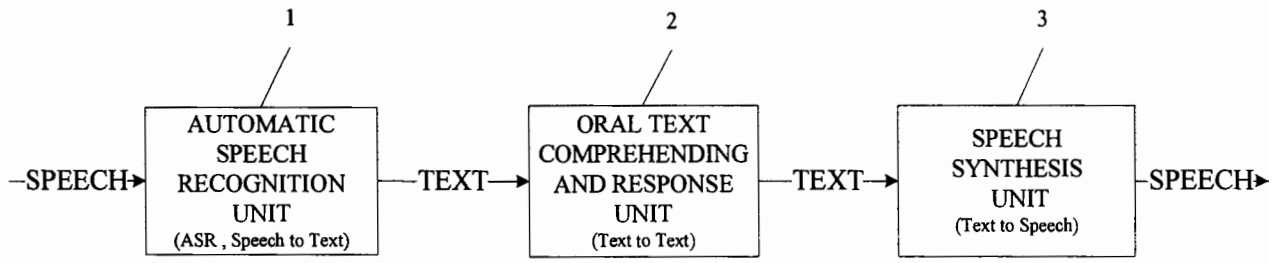


FIG. 1

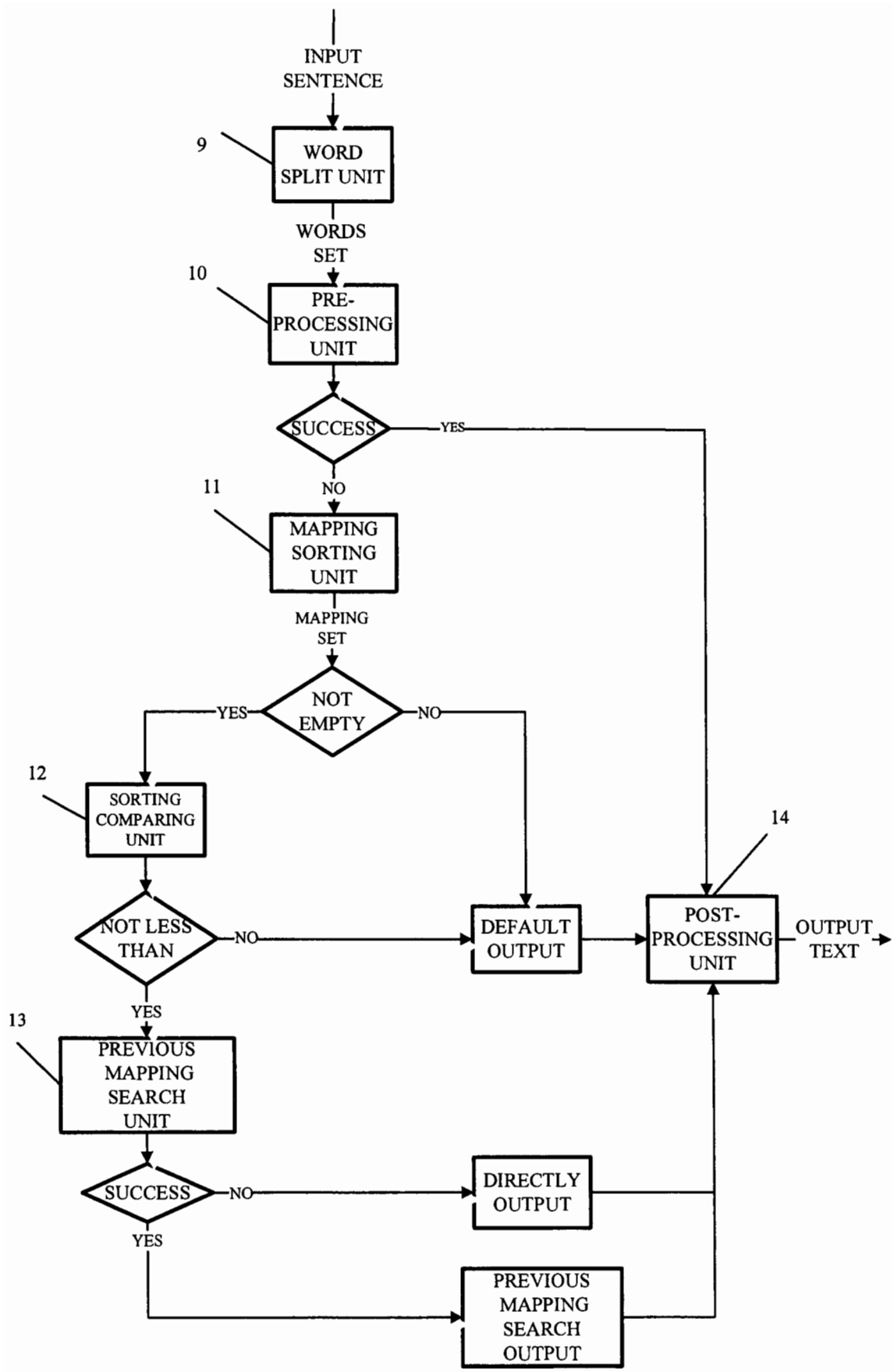

INPUT SENTENCE
9
WORD SPLIT UNIT
WORDS SET
10
PRE-PROCESSING UNIT
SUCCESS
YES
NO
11
MAPPING SORTING UNIT
MAPPING SET
NOT EMPTY
YES
NO
12
SORTING COMPARING UNIT
NOT LESS THAN
NO
YES
DEFAULT OUTPUT
14
POST-PROCESSING UNIT
OUTPUT TEXT
13
PREVIOUS MAPPING SEARCH UNIT
SUCCESS
NO
YES
DIRECTLY OUTPUT
PREVIOUS MAPPING SEARCH OUTPUT

FIG. 2

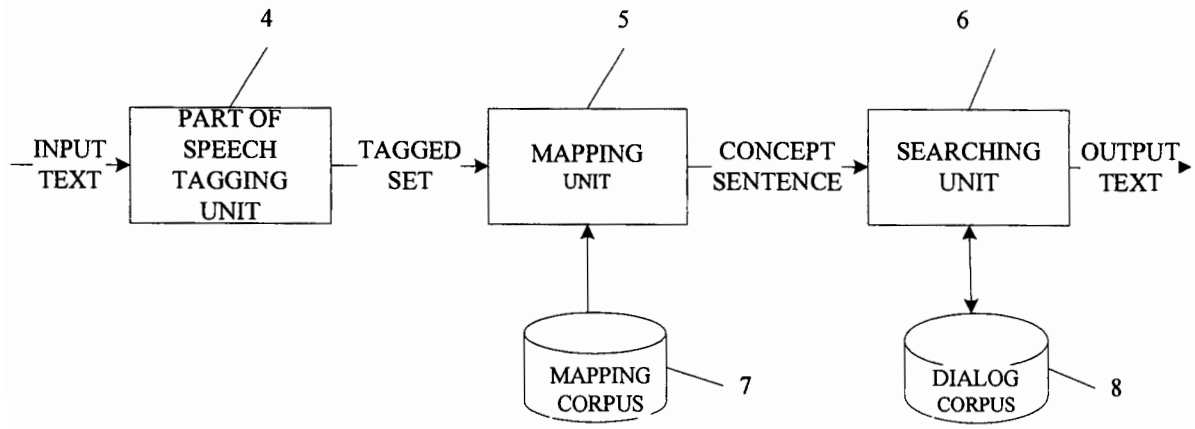


FIG. 3

```
<cml>
<category>
<keys>
<v>sport</v>
<r>what</r>
<a>like</a>
</keys>
<pattern>what sport  ... like</pattern>
<in>what sport do you like</in>
</category>
.....
</cml>
```

FIG. 4

```
<cml>
<category>
<pattern>what is your favorite athlete? </pattern>
<template>Liuxiang is my favorite，he runs fast</template>
</category>

<category>
<pattern>Where is your home?</pattern>
<template>Shenzhen Nanshan</template>
</category>
.....
</cml>
```

FIG. 5

```
<cml>
<category>
<pattern>like</pattern>
<that>Do you like animal</that>
<template>What animal do you like</template>
</category>

<category>
<pattern>like</pattern>
<that>Do you like movie</that>
<template>What movie do you like</template>
</category>

</cml>
```

FIG. 6

```
<cml>
<random>
<li>I am happy today</li>
<li>Do you want to know the weather</li>
<li>Do you like animal</li>
<li>Haha</li>
.....
</random>
<cml>
```

FIG. 7

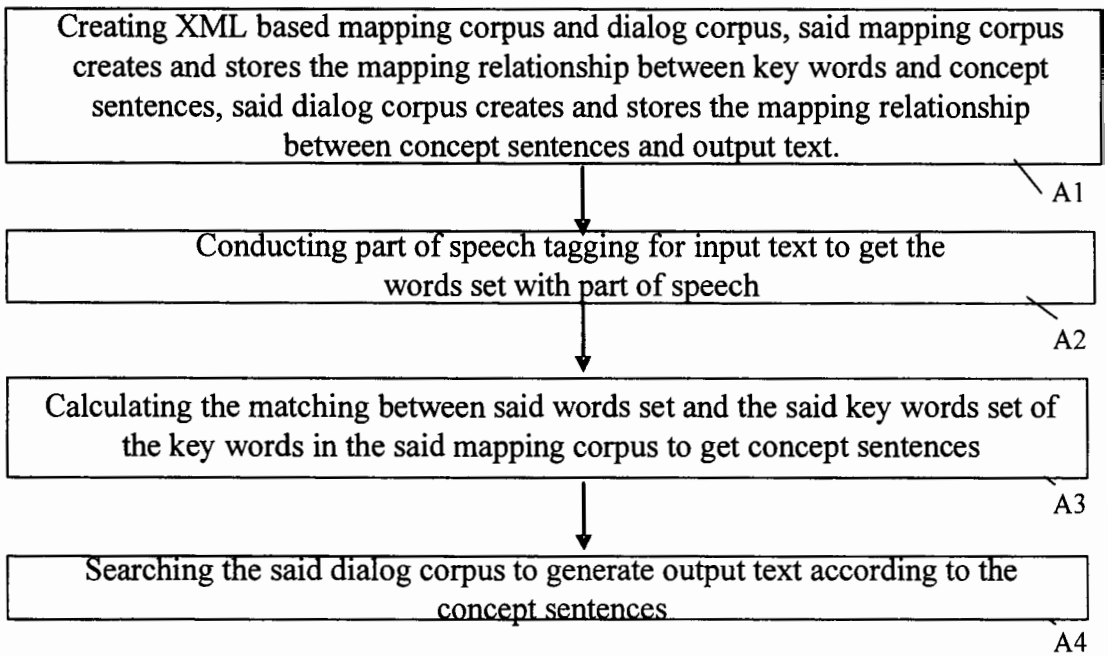


FIG. 8

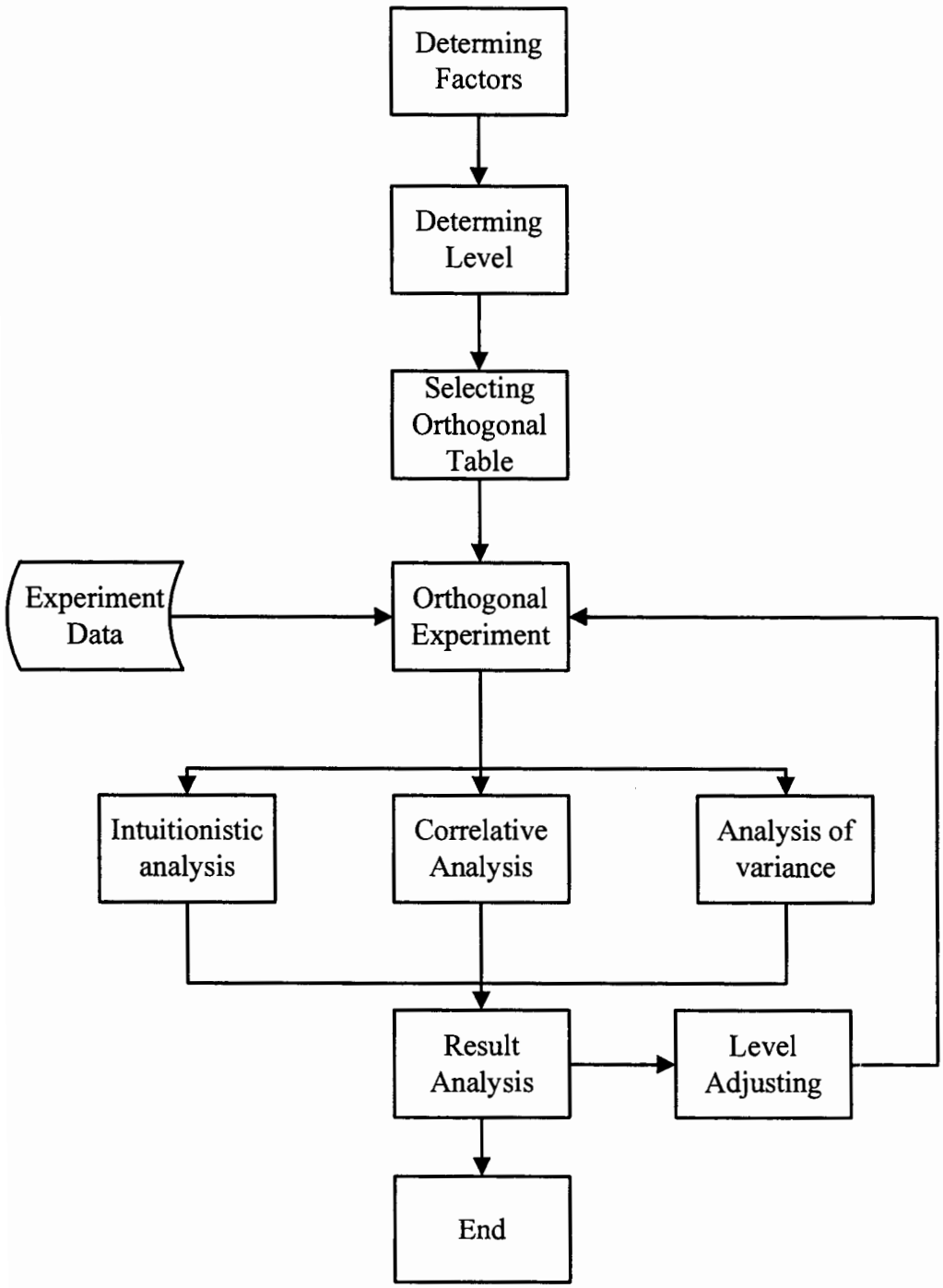

Determing Factors
Determing Level
Selecting Orthogonal Table
Experiment Data
Orthogonal Experiment
Intuitionistic analysis
Correlative Analysis
Analysis of variance
Result Analysis
Level Adjusting
End

FIG. 9

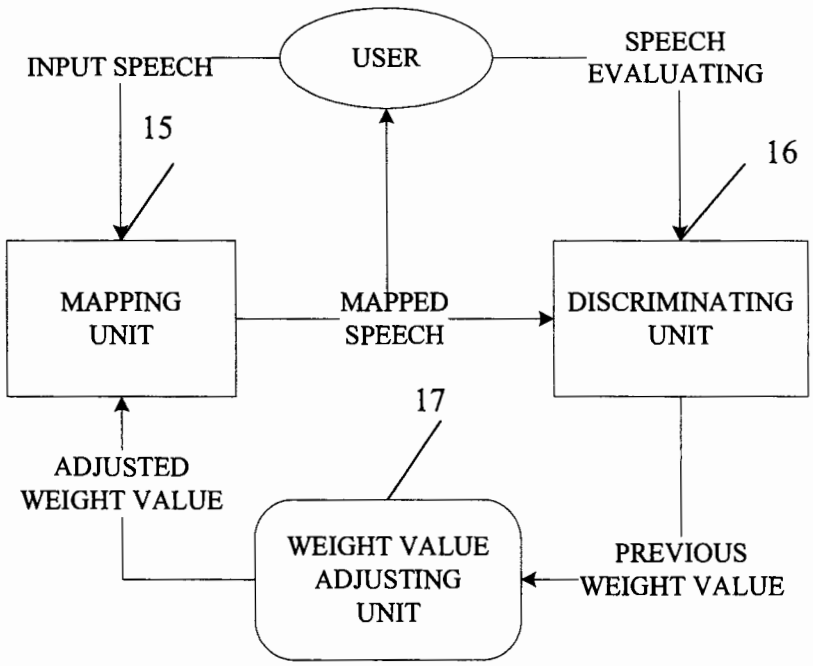

USER
INPUT SPEECH
SPEECH EVALUATING
15
16
MAPPING UNIT
MAPPED SPEECH
DISCRIMINATING UNIT
17
ADJUSTED WEIGHT VALUE
WEIGHT VALUE ADJUSTING UNIT
PREVIOUS WEIGHT VALUE

FIG. 10